SERVICE MANUAL

RA-6A CHASSIS

<u>MODEL NAME</u>	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-51WS510	RM-Y909	US/CND/LATIN NORTH	SCC-M10CA
KP-57WS510	RM-Y909	US/CND/LATIN NORTH	SCC-M10BA
KP-65WS510	RM-Y909	US/CND/LATIN NORTH	SCC-M10AA

ORIGINAL MANUAL ISSUE DATE: 6/2003

|--|

:UPDATED ITEM

REVISION DATE	SUBJECT
6/2003	No revisions or updates are applicable at this time.
6/30/2003	Updated G (Pg. 58) and D (Pg. 77) Schematics,
	Added critical symbol to G Board on Exploded View section 6-3. Chassis (Pg. 91)
	Updated critical components on Parts Lists (Pgs. 93-136)
8/25/2003	Replaced TV Graphic on Front Cover
	Updated Table of Contents (Replace Pg. 3 with Pg. 3)
	Corrected Diagrams for H2, H1, and H4 Board Removal (Replace Pg. 11 with Pg. 11)
	Replaced 2-11. Service Data Lists with 2-11. Adjustable Service Data Lists
	(Replace Pg. 19-37 with Pgs. 19-30)
	Corrected procedures for 2-12. Registration Adjustment (Replace Pg. 38 with Pg. 31)
	Corrected procedures for 2-13-2. Copying All Registration Data to Other Modes and
	2-14. Auto Registration Offsets (Replace Pg. 42 with Pg. 35)
	Corrected Error Codes 54 & 55, 2-15. Auto Registration Error Codes (Replace Pg. 43 with Pg. 36)
	Added 2-16. Auto Registration Diagnostics (Replace Pg. 44 with Pg. 37)
	Corrected 3-D-Comb # from 5-3. Block Diagram (Replace Pg. 51 with Pg. 44)
	Deleted IC308 Block Diagram from 5-5. IC Block Diagrams (Replace Pg. 84 with Pg. 77)
	Corrected semiconductors 5-6. Semiconductors (Replace Pg. 88 with Pg. 81)
	Corrected Grille piece on cover exploded view diagrams (Replace Pgs. 89 & 90 with Pgs. 82 & 83)
9/22/2003	New CRT's & D Board introduced for KP-57WS510/65WS510 models.
	Affects S/N's 9,000,001 to 9,700,000
	(Replace History Pg., Front Cover, Exploded View Pgs. 84-85, and Parts Lists Pgs. 122, 126, & 129
11/11/2003	Replaced data relating to CR, CG and CB Boards.
	Affects Pages 47-49 (Schematics), 85 (Exploded View), 86-88 (Electrical Parts List)
11/16/2004	Removed Note from section 2-12-1. Setup For Adjustment. Note is intended for use by the factory during
	production, and should not be performed by service technicians.(Replace Pg. 31 with Pg. 31)
	Updated Exploded View section to include new PNs based on serial range
	(Replace History Pg., Front Cover, Exploded View Pgs. 82-85, and Parts Lists Pg. 120)
11/17/2003	Corrected serial number range in Electrical Parts List (Replace Parts Lists Pgs. 122 and 126)
8/19/2005	Updated serial number range for D Board and CRTs (Replace Pgs. 84, 85 and 122)

COLOR REAR VIDEO PROJECTION





SERVICE MANUAL

RA-6A CHASSIS

MODEL NAME	REMOTE COMMANDER	<u>DESTINATION</u>	CHASSIS NO.
KP-51WS510	RM-Y909	US/CND/LATIN NORTH	SCC-M10CA
KP-57WS510	RM-Y909	US/CND/LATIN NORTH	SCC-M10BA
KP-65WS510	RM-Y909	US/CND/LATIN NORTH	SCC-M10AA





RM-Y909

COLOR REAR VIDEO PROJECTION



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SPECIFICATIONS

Power Requirements 120V AC, 60Hz

Power Consumption (W)

In Use (Max) 230W In Standby Under 1 W

Inputs/Outputs DVI-HDTV

1 terminal, 3.3V T.M.D.S., 50 ohms

The DVI-HDTV input terminal is compliant with the EIA-861 standard and is not intended for use with personal computers.

Video (IN)

4 total (1 on front panel)

1Vp-p, 75ohms unbalanced, sync negative

S Video (IN)

3 total (1 on front panel)

Y: 1Vp-p, 75ohms unbalanced, sync negative

C: 0.286Vp-p (Burst signal), 75ohms

Audio (IN)

6 total (1 on front panel) 500 mVrms (100% modulation) Impedance:47 kilo ohms Audio (VAR/RIX)

1 total

500 mVrms at the maximum volume setting (Variable)

500 mVrms (Fixed)

Impedance (Output):1 kilo ohm

TV Out

1 total

Video: 1 Vp-p 75 ohms unbalanced, Sync negative

Audio: 500 m Vrms (100% modulation) Impedance (output): 1 kilo ohms

Control S (IN/OUT)

1 total Minijacks

Component Video Input

2 (Y, P_B, P_R)

Y: 1.0 Vp-p, 75 ohms unbalanced, sync negative

P_B: 0.7 Vp-p, 75 ohms; P_R: 0.7 Vp-p, 75 ohms

RF Inputs

2 total

Converter

1 total

	KP-51WS510	KP-57WS510	KP-65WS510
Speaker Output (W)		20W x 2	
Dimensions (W x H x D) mm in	1194 x 1350 x 650 mm 47 x 53 ^{1/8} x 25 ^{5/8} in	1326 x 1377 x 690 mm 52 ^{1/4} x 54 ^{1/4} x 27 ^{1/4} in	1542 x 1466 x 750 mm 60 ^{3/4} x 57 ^{3/4} x 29 ^{1/2} in
Mass kg Ibs	78.2 kg 172 lbs	88.6 kg 195 lbs	136 kg 300 lbs

Projection System

3 picture tubes, 3 lenses, horizontal in-line system

Picture Tube

7-inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquid cooling system.

Projection Lenses

High performance, large diameter hybrid lens F1.1

Antenna

75 ohm external terminal for VHF/UHF

Television System

NTSC, American TV Standard

Channel Coverage

VHF: 2-13/ UHF: 14-69/ CATV: 1-125

Screen Size (measured diagonally)

51 inches (KP-51WS510)

57 inches (KP-57WS510)

65 inches (KP-65WS510)

Supplied Accessories

Remote Control RM-Y909 Batteries (2) size AA (R6)

Optional Accessories

A/V Cable (VMC-810/820/830 HG)

Audio Cable (RKC-515HG)

Component Video Cable (VMC-10/30 HG)

Control S Cable (RK-G69HG)

AV Receiver (STR-V555ES or equivalent)

WARNINGS AND CAUTIONS

CAUTION

Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield, or carbon painted on the CRT, after removing the anode.

WARNING!!

An isolation transformer should be used during any service to avoid possible shock hazard, because of live chassis. The chassis of this receiver is directly connected to the ac power line.



Components identified by shading and \triangle mark on the schematic diagrams, exploded views, and in the parts list are critical for safe operation. Replace these components with Sony parts whose part numbers appear as shown in this manual or in supplements published by Sony. Circuit adjustments that are critical for safe operation are identified in this manual. Follow these procedures whenever critical components are replaced or improper operation is suspected.

ATTENTION!!

Apres [

de l'appareil, ou la couche de carbone peinte sur le tube cathodique ou au blindage du tube cathodique.

Afin d'evite□

dépannage. Le chássis de ce récepteur est directement raccordé à l'alimentation du secteur.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

Les composants identifies par une trame et par une marque $ildе{ ildе{ ilde{1}}}$ sur les schemas de principe, les vues explosees et les listes de pieces sont d'une importance critique pour la securite du fonctionnement. Ne les remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplements publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. Suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
- Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

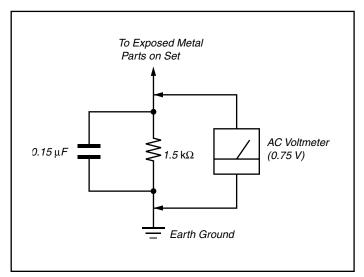


Figure A. Using an AC voltmeter to check AC leakage.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
- 2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms.

If a cold-water pipe is not accessible, connect a 60- to 100-watt troublelight (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

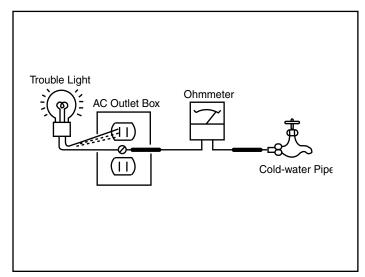


Figure B. Checking for earth ground.

SELF-DIAGNOSTIC FUNCTION



The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

Results for all of the following diagnostic items are displayed on screen. If the screen displays a "0", no error has occurred.

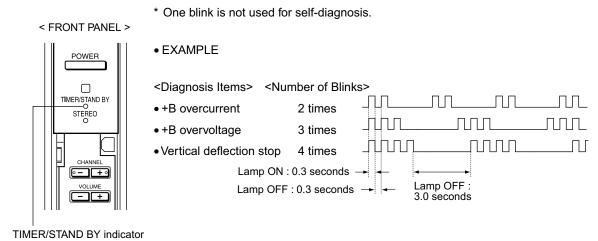
Diagnostic Item	No. of times STAND BY / TIMER lamp flashes	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in.Fuse is burned out (F6001). (G Board)	Power does not come on.No power is supplied to the TV.AC Power supply is faulty.
+B overcurrent (OCP)*	2 times	H.OUT (Q8024) is shorted. (D Board) HB PWM (Q8035, Q8038) is shorted. (D Board)	Power does not come on. Load on power line shorted.
+B overvoltage (OVP)	3 times	IC501 is faulty. (G Board) IC5002 is faulty. (G Board)	Has entered standby mode.
Vertical deflection stopped	4 times	±15V is not supplied. (D Board) IC8003 is faulty. (A Board)	 Has entered standby state after horizontal raster. Vertical deflection pulse is stopped. Power line is shorted, or power supply is stopped.
White Balance Failure (Not Balanced)	5 times	Video OUT (IC7101, IC7201, IC7301) is faulty. (CR, CG, CB Boards) CRT drive (IC309) is faulty. (A Board) Screen (G2) is improperly adjusted. **	No raster is generated. CRT Cathode current detection reference pulse output is small.
Low B OCP/OVP (Overcurrent/Overvoltage) ***	6 times	+5 line is overloaded. (A, B Boards)+5 line is shorted. (A, B Boards)	No picture
Horizontal deflection stopped	7 times	 Q8035, Q8038 is shorted. (D Board) 	
High-voltage error	8 times	T8005 is faulty. (D Board)	
Audio error	9 times	 ± 19V line is shorted. (A, B Boards) IC708 is faulty. (A Board) PS701 or PS702 is opened. (A Board) 	No sound

^{*} If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously. The symptom that is diagnosed first by the microcontroller is displayed on the screen.

** Refer to Screen (G2) Adjustments in Section 2-2 of this manual

^{***} If TIMER or STAND BY indicator blinks six (6) times, unplug the unit and wait 10 minutes before performing the adjustment.

Display of Standby/Timer LED Flash Count



Release of TIMER STAND BY indicator blinking

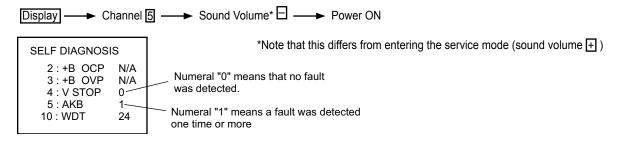
The TIMER/STANDBY indicator blinking display is released by turning OFF the power switch on the TV main unit or removing the plug from the power.

Self-Diagnosis Screen Displays

In cases of malfunctions where it is not possible to determine the symptom such as when the power goes off occasionally or when the screen disappears occasionally, \Box not) in order to allow confirmation.

Screen Display Method

Quickly press the remote command button in the following order from the standby state.



Self-Diagnosis Screen Display

The results display is not \square display to "0".

If the results display is not returned to "0" it will not be possible to judge a new malfunction after completing repairs.

Method of Clearing Results Display

1. Power off (Set to the standby mode.)

Method of Ending Self Diagnosis Screen

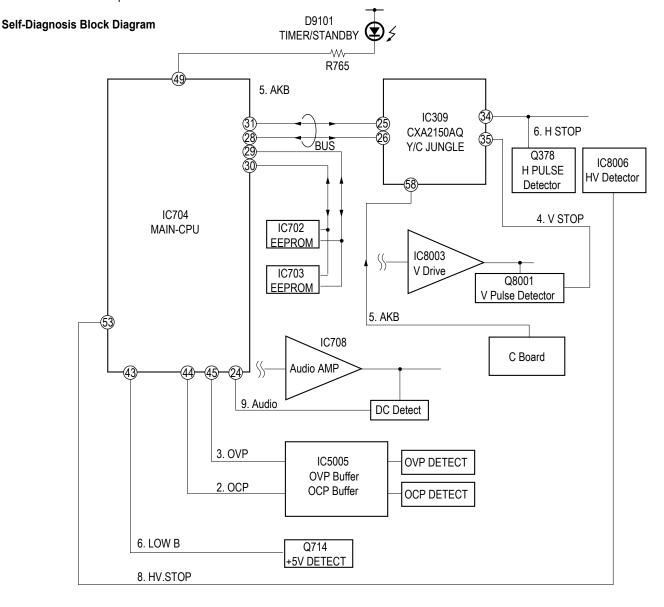
When ending the self-diagnosis screen completely, turn the power switch OFF on the remote commander or the main unit.

Self-Diagnosis Function Operation

- OCP Low B and +B line detect DET SHORT, and shut-down POWER ON RELAY.

 Reset by turning power on/off. In case of +B is loaded approx. 1.5A or more, microcomputer detects it via IC5005.
- OVP In case of +B becomes approx. 150V or more, POWER ON RELAY shuts down and microcomputer detects it via IC5005. Reset by turning power on/off just the same as OCP.
- Low B Occurs when set +5V is out
- V Stop In the case of the V Drive disappearing, Q8001 detects it and shuts-down the POWER ON RELAY. The microcomputer detects it and causes the LED to blink.
- AKB IK detection. Makes LED blink when microcomputer doesn't detect IK, returns of IC309 (CXA2150AQ) 20 seconds or more.
- H Stop In case H DRIVE disappears, Q378 detects it and shuts-down POWER ON RELAY.

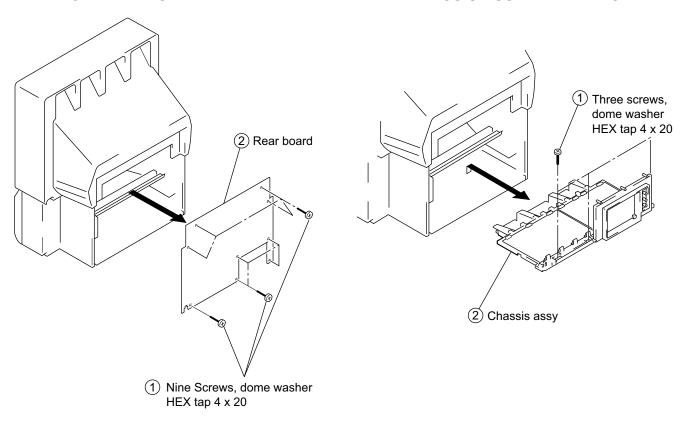
 Microcomputer receives H Stop data from Q378 and makes the LED blink.
- HV Stop In case HV becomes 33kV or more, IC8006 detects it and shuts-down POWER ON RELAY. The microcomputer makes the LED blink.
- Audio In case of DC component overlaps the output of Audio Amp., the microcomputer detects it and shuts-down POWER ON RELAY. The microcomputer makes the LED blink.

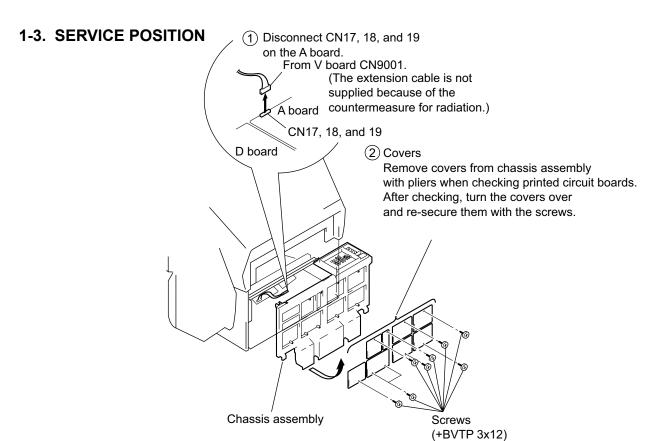


SECTION 1: DISASSEMBLY

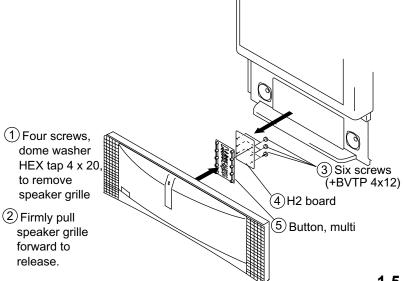
1-1. REAR BOARD REMOVAL

1-2. CHASSIS ASSEMBLY REMOVAL

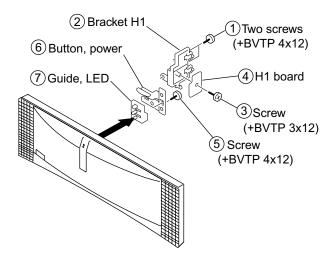




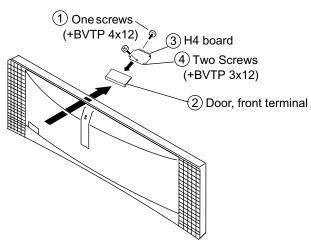
1-4. H2 BOARD REMOVAL



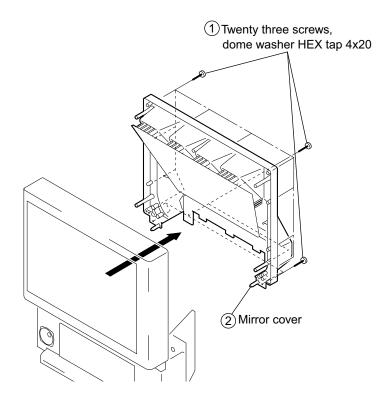
1-5. H1 BOARD REMOVAL



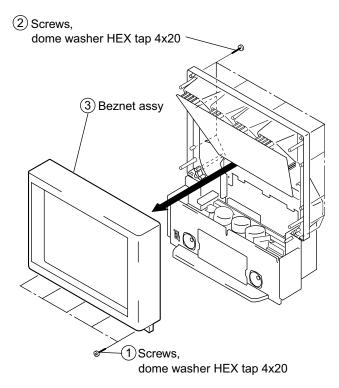
1-6. H4 BOARD REMOVAL



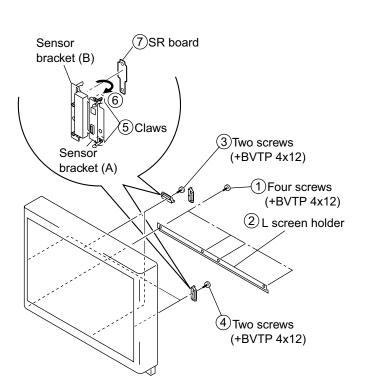
1-7. MIRROR COVER REMOVAL



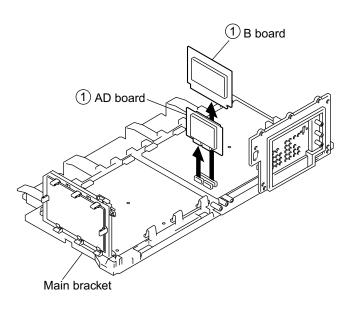
1-8. BEZNET ASSEMBLY REMOVAL



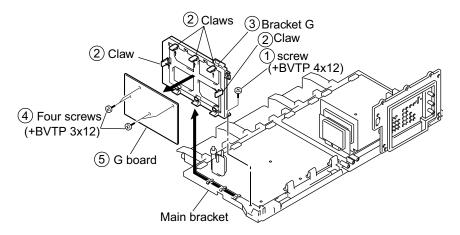
1-9. SR BOARD REMOVAL



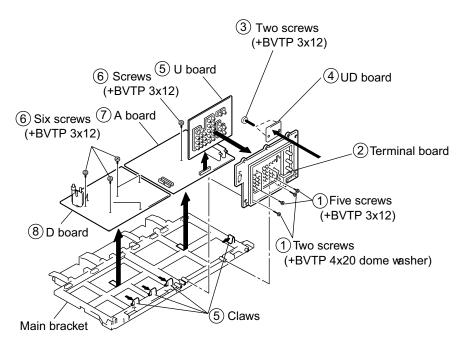
1-10.AD BOARD AND B BOARD REMOVAL



1-11.G BOARD REMOVAL



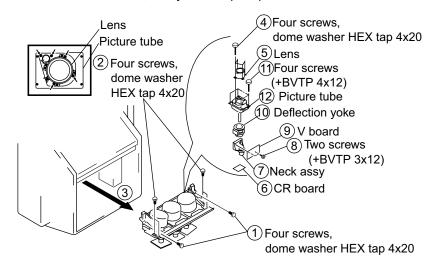
1-12.TERMINAL BOARD, A BOARD, D BOARD, U BOARD, AND UD BOARD REMOVAL



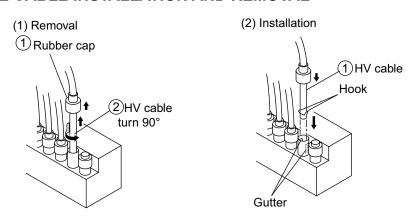
1-13.PICTURE TUBE REMOVAL

CAUTION Removing the arrow-marked screws is strictly prohibited.

If removed, it may cause liquid spill.



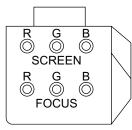
1-14.HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL



SECTION 2: SET-UP ADJUSTMENTS

2-1. SCREEN VOLTAGE ADJUSTMENT (COARSE ADJUSTMENT)

- 1. Receive the Monoscope signal.
- 2. Set BRIGHTNESS to 50% and PICTURE to minimum.
- Turn the red VR on the focus block all the way to the left and then gradually turn it to the right until the retrace line is barely visible.
- 4. Gradually turn the control to the left until the retrace line disappears.

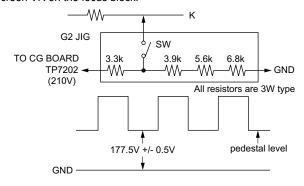


FOCUS Block

2-2. SCREEN (G2) ADJUSTMENT (FINE ADJUSTMENT)

If the jig described below is available, it is recommended that the G2 Fine Mode Adjustment be performed to set the screen controls to their optimal condition. If desired, you can build the jig illustrated below, using 3-watt resistors. Please note that if the proper voltage is not obtained with the listed resistor's values, then increase or decrease one of the values in the resistor network to obtain the correct voltage.

- 1. Select VIDEO-1 mode no signal applied (the screen must be black).
- 2. Connect the G2 JIG.
- 3. SW on JIG.
- 4. Connect an oscilloscope to the TP7101(KR), TP7202(KG) and TP7301(KB) of CR board, CG board, and CB board.
- 5. Adjust red, green, and blue screen voltage to 177.5+/-0.5V with screen VR on the focus block.

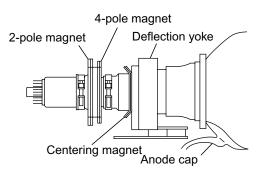


2-3. DEFLECTION YOKE TILT ADJUSTMENT

- 1. Connect the color bar generator monoscope pattern to Video 1 input.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Loosen the CRT's deflection yoke set screw and align the tilt of the deflection yoke so that the horizontal bars at the center of the monoscope pattern are horizontal.
- 4. After aligning the deflection yoke fasten it securely to the funnel-shaped portion (neck) of the CRT.
 - The tilt of the deflection yoke is aligned in the mode.
- Cover the green and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps), then repeat steps 3 and 4 for the red CRT.

Cover the green and red CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps), then repeat steps 3 and 4 for the blue CRT.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.



2-4. FOCUS LENS ADJUSTMENT

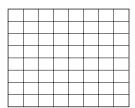
In this adjustment, use the remote commander while in service mode. For details on the usage of the service mode and the remote commander, please refer to section

2-10. ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER.

- 1. Loosen the lens screw.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Turn the green lens to adjust to the optimum focus point with the crosshatch signal.
- 4. Tighten the lens screw.
- Cover the green and blue CRT lenses with the lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- Turn the red lens to adjust to the optimum focus point with the crosshatch signal.
- 7. Tighten the lens screw.
- 8. Cover the green and red CRT lenses with the lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 9. Turn the blue lens to adjust to the optimum focus point with the crosshatch signal.
- 10. Tighten the lens screw.
- 11. After adjusting the items:
 - 2-5. FOCUS VR ADJUSTMENT,
 - 2-6. 2-POLE MAGNET ADJUSTMENT,
 - 2-8. 4-POLE MAGNET ADJUSTMENT,

Reconfirm the optimum focus point and adjust again if necessary.

* Every time 6 is pressed, the test signal changes to: "crosshatch+video signal" → "crosshatch+borderline (black)" → "crosshatch (black)" → "dots (black)" → off



Test Signal

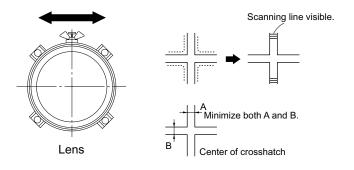
Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

2-5. FOCUS VR ADJUSTMENT

- 1. Set generator to crosshatch.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 3. Turn the green focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- 4. Cover the green and blue picture lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 5. Turn the red focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- Cover the green and red picture lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 7. Turn the blue focus VR on the focus block to adjust to the optimum focus point with the crosshatch signal.
- 8. After adjusting the items:
 - 2-4. FOCUS LENS ADJUSTMENT,
 - 2-6. 2-POLE MAGNET AND CENTERING ADJUSTMENT,
 - 2-8. 4-POLE MAGNET ADJUSTMENT,

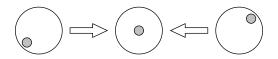
Reconfirm the optimum focus point and adjust again if necessary.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.



2-6. 2-POLE MAGNET AND CENTERING MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO and picture to MAX.
- Either select the PJED Test Pattern dot hatch signal or apply an external dot signal.
- Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the focus VR on the focus block to the left (counter clockwise) and set it to overfocus to enlarge the spot.
- Adjust the CRT's 2-pole magnet so that the small bright spot is in the center.
- 6. Align the focus VR on the focus block and set it for the best focus.
- 7. Apply a Monoscope signal to the set.
- 8. Adjust the H-CENTERING and V-CENTERING roughly by the centering magnets.
- 9. Check 2-pole magnet adjustment. If necessary repeat steps 1-6.
- 10. Repeat steps 1 through 9 for the red CRT covering the green and blue CRT lenses with lens caps to allow only red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and adjust the red focus control on the focus block.
- 11. Repeat steps 1 through 9 for the blue CRT covering the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps) and adjust the blue focus control on the focus block.



Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

2-7. CENTERING MAGNET ADJUSTMENT

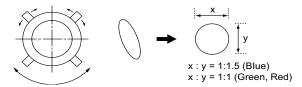
Not required - Combined with 2-6 2-Pole And Centering Magnet Adjustment.

2-8. 4-POLE MAGNET ADJUSTMENT

- 1. Set the picture mode to PRO and picture to MAX.
- 2. Receive the Dot signal.
- 3. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the (green) focus VR on the focus block to the right (clockwise) and set it to under-focus to reduce the spot.
- Adjust the 4-pole magnet so that the small spot in the center of the screen becomes round for green and red.
- 6. Adjust the blue spot to an oval shape X:Y=1:1.2

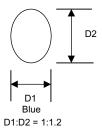
Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

Use the center dot



2-9. BLUE DEFOCUS ADJUSTMENT

- Setup: Apply a Dot Hatch Signal and set the mode to Pro Mode. Change the color temperature to Cool in the user's menu.
- 2. Cover the red and green CRT lenses with lens caps to allow only blue to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 4. Turn the blue focus VR on the focus block to the right (clockwise) to make the round dot oval.



- Check the flare with a high luminance signal to make sure the flare is minimal while the bright spot is located in the center, If not, readjust the 2 and 4-pole magnets.
- 6. Check for uniformity on a 100% IRE to an all white signal.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

2-10.ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

All of the circuit adjustments can be made by using the remote commander (RM-Y909).

NOTE: The following test equipment is required:

- 1. Pattern Generator (with component outputs)
- 2. Frequency counter
- 3. Digital multimeter
- 4. Audio oscillator

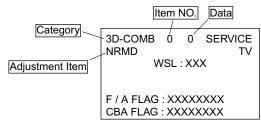
2-10-1.METHOD OF ENTERING THE SERVICE ADJUSTMENT MODE

SERVICE MODE PROCEDURE

- 1. TV must be in Standby mode. (Power off)
- Press "DISPLAY", "5", "VOL +", then "POWER" on the remote commander.

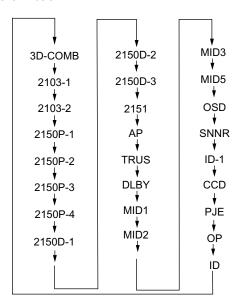
(Press each button within 1 second of pressing the previous button.)

SERVICE MODE ADJUSTMENT



- 3. The screen displays the item being adjusted within that category.
- 4. Press 1 or 4 on the remote commander to select the adjustment item.
- 5. Press 3 or 6 on the remote commander to change the data.
- 6. Press 2 or 5 on the remote commander to select the adjustment category.

Every time you press 2 (Category up), service mode changes in the order shown below:



If you want to go back to the most recently saved value, press "0" then "ENTER" to read the memory.

- 8. Press "MUTING" then "ENTER" to write the new adjustment data into memory.
- 9. When you want to exit the service mode, turn the power off.

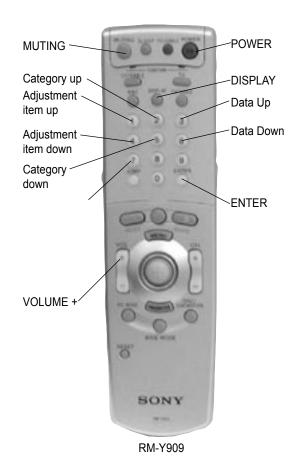
Note: Press "8" then "ENTER" on the remote commander to restore the factory settings for user controls and channel memories (this will also turn set off and then on to exit the service mode).

2-10-2.MEMORY WRITE CONFIRMATION METHOD

- 1. After adjustment, turn the power off with the remote commander.
- 2. Turn the power ON and set to service mode.
- 3. Cycle through the adjusted items again and confirm that the adjustments were saved.

2-10-3.ADJUSTING BUTTONS AND INDICATOR

Note: When the PJE mode (which displays an internally generated signal) is activated, several buttons on the remote commander will have different functions than the ones listed below. Therefore, when in the PJE mode, refer to section 2-12-3 for button functions.



Only the Adjustable registers are shown in the initial data list.

A complete set of the Initial data, Fixed and Adjustable, can be downloaded at: http://www-ec.sdp.sel.sony.com/padics/Model_Data_List.htm Initial data is also available in an Excel format.

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	MIN	MAX	+ = Unsigned - = Signed	
C2103_1	2	SCON	Sub contrast	RF	7	7	7	0	15	+	
				Video 1-4	7	7	7	0	15	+	[0: GA, 1: US, 2: Europe]
	3	SCOL	Sub color	RF	7	7	7	0	15	+	
				Video 1-4	7	7	7	0	15	+	
	4	SHUE	Sub hue	RF	7	7	7	0	15	+	
				Video 1-4	7	7	7	0	15	+	
	20	CBOF	Cb Offset Adjustment	P&P Left M-DRC Video1-4	34	34	34	0	63	+	
				P&P Left M-DRC Video5,6 480i	34	34	34	0	63	+	
	21	CROF	Cr Offset Adjustment	P&P Left M-DRC Video1-4	32	32	32	0	63	+	
				P&P Left M-DRC Video5,6 480i	32	32	32	0	63	+	
C2103_2	2	SCON	Sub contrast	RF	7	7	7	0	15	+	
				Video1-4	7	7	7	0	15	+	
	3	SCOL	Sub color	RF	7	7	7	0	15	+	
				Video1-4	7	7	7	0	15	+	
	4	SHUE	Sub hue	RF	7	7	7	0	15	+	
				Video1-4	7	7	7	0	15	+	
	20	CBOF	Cb Offset Adjustment	P&P Right S-DRC RF/Video1-4	32	32	32	0	63	+	
				P&P Right S-DRC Video5,6,7 480i	32	32	32	0	63	+	
	21	CROF	Cr Offset Adjustment	P&P Right S-DRC RF/Video1-4	31	31	31	0	63	+	
				P&P Right S-DRC Video5,6,7 480i	31	31	31	0	63	+	
C2150P_1	4	SBRT	Sub Bright	Common	24	24	24	0	63	+	
	5	RDRV	R output drive	Common	31	31	31	0	63	+	(lower byte)
	7	BDRV	B output drive	Common	31	31	31	0	63	+	(upper byte)
	8	RCUT	R output cutoff	Common	31	31	31	0	63	+	
	10	BCUT	B output cutoff	Common	31	31	31	0	63	+	
C2150D_1	0	VPOS	Vertical position(V_DRV signal DC bias)	Common	27	27	27	0	63	+	
	1	VSIZ	V_SIZE:Vertical size(V_DRV signal gain)	Common	50	50	50	0	63	+	
	2	VSZO	V_SIZE OFFSET	1080i	23	23	23	0	63	+	
C2150D_2	2	HSIZ	H_SIZE:Horizontal size	Wide Zoom	35	35	35	0	63	+	
	L			Full/Normal/Zoom	35	35	35	0	63	+	
	3	SLIN	MP_PARA_DC:Horizontal S-correction	Wide Zoom	0	0	0	0	15	+	
				Full/Normal/Zoom	0	0	0	0	15	+	
OSD	0	HPOS	OSD horizontal position	Common	18	18	18	0	255	+	
	1	HPOF	Horizontal position for Favorite mode	Common	32	32	32	0	255	+	
CCD	0	HPRM	Horizontal position of CCD(Main)	Common	49	49	49	0	255	+	
	1	HPRS	Horizontal position of CCD(Sub)	Common	49	49	49	0	255	+	▲ 6: 1130→1110

					51WS510	57WS510	65WS510			Unsigned Signed	
CATEGORY	#	ITEM	DESCRIPTION	CONDITION	21W	27W	95W	Z	MAX		
PJE	29	ROGH	Green Horizontal Sensor 0 Ratio Offset	(common)	0	0	0	-128	127	-	
	30	RORH	Red Horizontal Sensor 0 Ratio Offset	(common)	0	0	0	-128	127	-	1
	31	ROBH	Blue Horizontal Sensor 0 Ratio Offset	(common)	0	0	0	-128	127	-	
	32	R1GH	Green Horizontal Sensor 1 Ratio Offset	(common)	0	0	0	-128	127	-	
	33	R1RH	Red Horizontal Sensor 1 Ratio Offset	(common)	0	0	0	-128	127	-	
	34	R1BH	Blue Horizontal Sensor 1 Ratio Offset	(common)	0	0	0	-128	127	-	1
	35	R1GV	Green Vertical Sensor 1 Ratio Offset	(common)	0	0	0	-128	127	-	
	36	R1RV	Red Vertical Sensor 1 Ratio Offset	(common)	0	0	0	-128	127	-	
	37	R1BV	Blue Vertical Sensor 1 Ratio Offset	(common)	0	0	0	-128	127	-	
	38	R2GH	Green Horizontal Sensor 2 Ratio Offset	(common)	0	0	0	-128	127	-	
	39	R2RH	Red Horizontal Sensor 2 Ratio Offset	(common)	0	0	0	-128	127	-	
	40	R2BH	Blue Horizontal Sensor 2 Ratio Offset	(common)	0	0	0	-128	127	-	
	41	R2GV	Green Vertical Sensor 2 Ratio Offset	(common)	0	0	0	-128	127	-	
	42	R2RV	Red Vertical Sensor 2 Ratio Offset	(common)	0	0	0	-128	127	-	
	43	R2BV	Blue Vertical Sensor 2 Ratio Offset	(common)	0	0	0	-128	127	-	
	44	R3GH	Green Horizontal Sensor 3 Ratio Offset	(common)	0	0	0	-128	127	-	
	45	R3RH	Red Horizontal Sensor 3 Ratio Offset	(common)	0	0	0	-128	127	-	(upper byte)
	46	R3BH	Blue Horizontal Sensor 3 Ratio Offset	(common)	0	0	0	-128	127	-	(lower byte)
	47	PTRH	Red Horiz Top Pattern Position Offset	(common)	0	0	0	-128	127	-	
	48	PTBH	Blue Horiz Top Pattern Position Offset	(common)	0	0	0	-128	127	-	
	49	PLRH	Red Horiz Left Pattern Position Offset	(common)	0	0	0	-128	127	-	
	50	PLBH	Blue Horiz Left Pattern Position Offset	(common)	0	0	0	-128	127	-	
	51	PLRV	Red Vertical Left Pattern Position Offset	(common)	0	0	0	-128	127	-	
	52	PLBV	Blue Vertical Left Pattern Position Offset	(common)	0	0	0	-128	127	-	
	53	PRRH	Red Horiz Right Pattern Position Offset	(common)	0	0	0	-128	127	-	
	54	PRBH	Blue Horiz Right Pattern Pos Offset	(common)	0	0	0	-128	127	-	
	55	PRGH	Green Vertical Right Pattern Pos Offset	(common)	0	0	0	-128	127	-]
	56	PRRV	Red Vertical Right Pattern Pos Offset	(common)	0	0	0	-128	127	-]
	57	PRBV	Blue Vertical Right Pattern Pos Offset	(common)	0	0	0	-128	127	-]
	58	PBGH	Green Horiz Bottom Pattern Pos Offset	(common)	0	0	0	-128	127	-]
	59	PBRH	Red Horiz Bottom Pattern Pos Offset	(common)	0	0	0	-128	127	-]
	60	PBBH	Blue Horiz Bottom Pattern Pos Offset	(common)	0	0	0	-128	127	-	

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	NIM	МАХ	+ = Unsigned - = Signed
PJE	61	ERR	Auto Regi. Error code	(common)	0	0	0	0	65535	+
	66	VUP	Sensor 0 Green Vertical Pattern Position	(common)	41	41	41	0	2047	+
	67	VMID	Sensor 1 Green Vertical Pattern Position	(common)	505	505	505	0	2047	+
	68	VLOW	Sensor 3 Green Vertical Pattern Position	(common)	971	971	971	0	2047	+
	69	HLE	Sensor 1 Green Horizontal Pattern Position	(common)	55	55	55	0	4095	+
	70	HMID	Sensor 0 Green Horizontal Pattern Position	(common)	636	636	636	0	4095	+
	71	HRIV	Sensor 2 Green Horizontal Pattern Position	(common)	1217	1217	1217	0	4095	+
	72	TEST	Auto Regi. Test Item	(common)				•		
	73	SFTF	Fast motion of burn prevention switch	(common)						
	74	SFTE	CRT burn prevention enable	(common)	0	0	0	0	7	+
	75	ACTL	Account timer counter lower byte	(common)	7	7	7	0	255	+
	76	ACTH	Account timer counter upper byte	(common)	0	0	0	0	255	+
	77	ATTN	Auto Regi attenuation select	(common)	0	0	0	0	3	+

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	MIN	MAX	+ = Unsigned - = Signed
PJE		CENT	R H Cent	Full / Normal	35	35	35	-512	511	-
				Zoom / V.Comp	35	35	35	-512	511	-
				WideZoom	35	35	35	-512	511	-
				1080i Full	35	35	35	-512	511	-
			R V Cent	Full / Normal	20	20	20	-512	511	-
				Zoom / V.Comp	20	20	20	-512	511	-
				WideZoom	20	20	20	-512	511	-
				1080i Full	20	20	20	-512	511	-
			G H Cent	Full / Normal	35	35	35	-512	511	-
				Zoom / V.Comp	35	35	35	-512	511	-
				WideZoom	35	35	35	-512	511	-
				1080i Full	35	35	35	-512	511	-
			G V Cent	Full / Normal	20	20	20	-512	511	-
				Zoom / V.Comp	20	20	20	-512	511	-
				WideZoom	20	20	20	-512	511	-
				1080i Full	20	20	20	-512	511	-

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	NIM	MAX	+ = Unsigned - = Signed
PJE			B H Cent	Full / Normal	35	35	35	-512	511	-
				Zoom / V.Comp	35	35	35	-512	511	-
				WideZoom	35	35	35	-512	511	-
				1080i Full	35	35	35	-512	511	-
			B V Cent	Full / Normal	20	20	20	-512	511	-
				Zoom / V.Comp	20	20	20	-512	511	-
				WideZoom	20	20	20	-512	511	-
				1080i Full	20	20	20	-512	511	-
		SKEW	R H Skew	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			R V Skew	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			G H Skew	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	NIN	MAX	+ = Unsigned - = Signed
PJE			G V Skew	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B H Skew	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B V Skew	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
		SIZE	R H Size	Full / Normal		-100	-100	-512	511	-
				Zoom / V.Comp	-100	-100		-512	511	-
				WideZoom	-100	-100	-100	-512	511	-
				1080i Full		-100		-512	511	-
			R V Size	Full / Normal		-75	-75	-512	511	-
				Zoom / V.Comp	-75	-75	-75	-512	511	-
				WideZoom	-75	-75	-75	-512	511	-
				1080i Full		-75		-512	511	-

	,,				51WS510	57WS510	65WS510	NIM	MAX	= Unsigned = Signed
CATEGORY PJE	#	ITEM	DESCRIPTION G H Size	CONDITION						+ .
				Full / Normal	-100	-100	-100	-512	511	-
				Zoom / V.Comp		-100		-512	511	-
				WideZoom		-100		-512	511	-
				1080i Full		-100		-512	511	-
			G V Size	Full / Normal		-75		-512	511	-
				Zoom / V.Comp	-75	-75	-75	-512	511	-
				WideZoom	-75	-75	-75	-512	511	-
				1080i Full	-75	-75	-75	-512	511	-
			B H Size	Full / Normal		-100		-512	511	-
				Zoom / V.Comp	-100	-100		-512	511	-
				WideZoom	-100	-100		-512	511	-
				1080i Full	-100	-100	-100	-512	511	-
			B V Size	Full / Normal		-75		-512	511	-
				Zoom / V.Comp	-75	-75	-75	-512	511	-
				WideZoom	-75	-75	-75	-512	511	-
				1080i Full		-75		-512	511	-
		LIN	R H Lin	Full / Normal		425		-512	511	-
				Zoom / V.Comp	425	425	425	-512	511	-
				WideZoom	425	425	425	-512	511	-
				1080i Full		425		-512	511	-

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	NIM	MAX	+ = Unsigned - = Signed
PJE			R V Lin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			G H Lin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			G V Lin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B H Lin	Full / Normal		-425		-512	511	-
				Zoom / V.Comp	-425	-425	-425	-512	511	-
				WideZoom		-425		-512	511	-
				1080i Full	-425	-425	-425	-512	511	-
			B V Lin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	NIM	MAX	+ = Unsigned - = Signed
PJE		KEY	R V Key	Full / Normal	120	120	120	-512	511	-
				Zoom / V.Comp	120	120	120	-512	511	-
				WideZoom	120	120	120	-512	511	-
				1080i Full	120	120	120	-512	511	-
			G V Key	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B V Key	Full / Normal		-120		-512	511	-
				Zoom / V.Comp		-120		-512	511	-
				WideZoom	-120	-120	-120	-512	511	-
				1080i Full	-120	-120	-120	-512	511	-
		PIN	R H Pin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			R V Pin	Full / Normal	350	350	350	-512	511	-
				Zoom / V.Comp	350	350	350	-512	511	-
				WideZoom	350	350	350	-512	511	-
				1080i Full	350			-512	511	-

CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	MIN	MAX	= Unsigned = Signed
PJE	"		G H Pin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			G V Pin	Full / Normal	400	400	400	-512	511	-
				Zoom / V.Comp	400	400	400	-512	511	-
				WideZoom	400	400	400	-512	511	-
				1080i Full	400	400	400	-512	511	-
			B H Pin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B V Pin	Full / Normal	350	350	350	-512	511	-
				Zoom / V.Comp	350	350	350	-512	511	-
				WideZoom	350	350	350	-512	511	-
				1080i Full	350	350	350	-512	511	-
		MLIN	R H MLin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	-150	-150	-150	-512	511	-
				1080i Full	0	0	0	-512	511	-

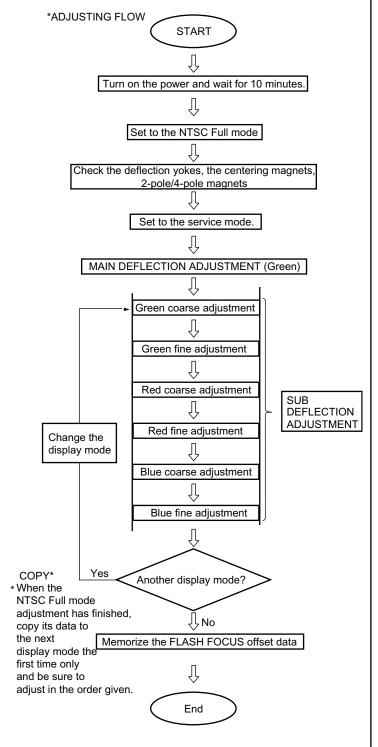
CATEGORY	#	ITEM	DESCRIPTION	CONDITION	51WS510	57WS510	65WS510	MIN	MAX	+ = Unsigned - = Signed
PJE			G H MLin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	0	0	0	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B H MLin	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	150	150	150	-512	511	-
				1080i Full	0	0	0	-512	511	-
		MSIZ	R H Middle Size	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom		-100		-512	511	-
				1080i Full	0	0	0	-512	511	-
			G H Middle Size	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom	-200	-200	-200	-512	511	-
				1080i Full	0	0	0	-512	511	-
			B H Middle Size	Full / Normal	0	0	0	-512	511	-
				Zoom / V.Comp	0	0	0	-512	511	-
				WideZoom		-100		-512	511	-
				1080i Full	0	0	0	-512	511	-

▲5 **▲**5

2-11-1.ID MAP TABLE

ID	D								
Reg.I	Reg.No &Name FUNCTION								
0	ID0	Selection of OSD languages & color systems	89						
1	ID1	Selection of composite & s-video inputs	127						
2	ID2	Selection of audio-related controls	239						
3	ID3	Selection of basic system settings	98						
4	ID4	Selection of basic system settings	203						
5	ID5	Selection of advanced system settings	177						
6	ID6	Selection of sub picture related settings	54						
7	ID7	Selection of some reserved settings	24						

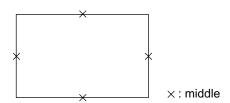
2-12.REGISTRATION ADJUSTMENT



2-12-1.SET-UP FOR ADJUSTMENT

MARKING

• At the 4 sides of the screen, use a tape measure to locate the middle.



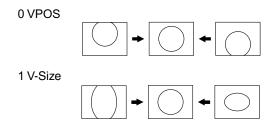
DATA SETTING

- 1. Set NTSC Full mode.
- 2. Enter the service mode, and select "PJE".

2-12-2.MAIN DEFLECTION ADJUSTMENT

NOTE: Before this adjustment, refer to section 2-11 for PJE input data items #78-85.

- 1. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Enter the monoscope signal and set to NTSC Full mode.
- 3. Enter the service mode, and select "2150D-1".
- 4. Adjust "0 VPOS" and "1 VSIZ" so that the picture is displayed in the center of the screen.
- 5. Adjust "2VSZ0" for 1080i vertical size adjustment.

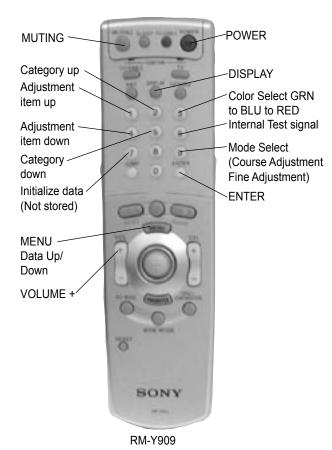


6. Select "2150D-2" and adjust "2 H-Size" so that the picture size is within the specification.

SPEC	Overscan Spec. = 9%							
Input Signal	H SIZE	V SIZE						
Monoscope	15.6 ± 0.2 sq.	11.5 ± 0.2 sq.						
2 H-Size								
	-							

7. Copy the data of the NTSC Full mode to the other display mode and, if necessary, adjust in the other mode.

2-12-3.OPERATION METHOD FOR PROJECTOR ENGINE MODE



1. FUNCTION OF KEYS ON COMMANDER

- Changes adjustment item. (Item # moves up)

 Marker moves clockwise from center to outside.
 (In Fine Adjustment mode)
- Changes adjustment item. (Item # moves down)

 Marker moves counter clockwise from outside to center.
 (In Fine Adjustment mode)
- Changes adjustment category. (Category # moves up)
- (Category # moves down)

Joystick Changes data value. (Up or down)

Marker moves clockwise from center (up, down, right, and then left) to outside. (In Fine Adjustment mode)

- ③ Changes adjustment color. GRN →BLU →RED
- ⑤ Displays or changes internal test signals. crosshatch + external signal → crosshatch + borderline → crosshatch only → dot only → off
- Switches adjustment mode. Coarse adjustment model → Fine adjustment mode

Press Switches marker moving method.

Joystick (In Fine Adjustment mode)

Joystick

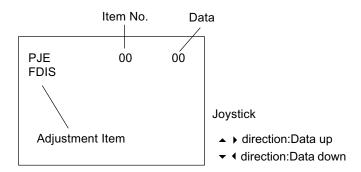
↓ keys → 1 and 4 buttons

Commander Function

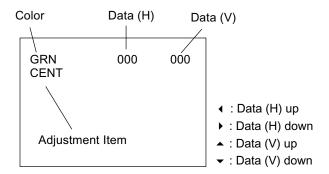
Buttons	Mode	Description
0 + ENTER	READ	Reads data to NVM.
MUTING+ENTER	WRITE	Writes data from NVM.
7 + ENTER	PJE	Service data initialization.
	INITIAL	Not stored.
		(Be sure not to use usually)

2. OPERATION METHOD FOR COARSE ADJUSTMENT

- 1. Enter the service mode and select "PJE".
- 2. Press the "1" or "4" button on the remote commander to select the item, and then use the joystick to change the data.



- 3. Select "GRN CENT". When BLU or RED is displayed, press the "3" button on the remote commander to change the adjustment color in the order of GRN →BLU →RED.
- 4. In GRN, BLU, or RED mode, move the joystick ♠ or ▼ to change the data in vertical direction, or ♠ to change the data in a horizontal direction.

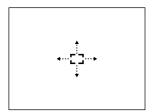


5. Before returning to the service mode, press the "MUTING" + "ENTER" buttons on the remote commander to write the data. (You must complete step 5 to write the data. If you omit step 5 the set data is returned to the data prior to the adjustment.)

3. OPERATION METHOD FOR FINE ADJUSTMENT

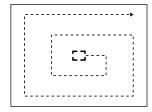
- 1. Enter the service mode and select "PJE".
- 2. Select FDIS and set the data to "01" so that the data at each position can be displayed in fine adjustment mode.

- 3. Press the "9" button on the remote commander and fine adjustment mode will be active where a green marker appears in the center of the screen. (In the case of GRN mode)
- 4. Press down on the joystick, and the marker color will be alternately switched between green (GRN mode) and white.
- 5. Press the "1" or "4" button on the remote commander, or use the joystick to move the marker to the position to be adjusted, where fine adjustment can be made.
- When the marker color is white: (in this case, fine adjustment is disabled)



Use the joystick to move the marker up, down, left, or right.

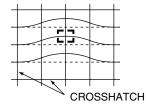
When the marker color is green: (GRN mode)

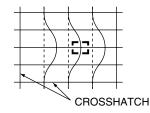


- ① : Moves the marker clockwise from the center to the outside.
- Moves the marker counter clockwise from the outside to the center.
- * Fine adjustment can be made on the basis of a marker position using the joystick to move $\stackrel{\blacktriangle}{\longrightarrow}$ $\stackrel{\blacktriangledown}{\longrightarrow}$ or $\stackrel{\blacktriangleright}{\triangleright}$.

Move joystick [▲] direction

Move joystick ▶ direction





6. Press the "9" button on the remote commander to return to coarse adjustment mode.

2-13.PJE ADJUSTMENT (SUB DEFLECTION ADJUSTMENT)

	Adjı	ustment ty	ре
Adjustment item	G	R	В
	H/V*	H/V*	H/V*
CENT	O/O	O/O	O/O
SKEW	O/O	O/O	O/O
SIZE	O/O	O/O	O/O
LIN	O/O	O/O	O/O
KEY	- /O	- /O	- /O
PIN	O/O	O/O	O/O
MLIN	0/—	0/—	0/—
MSIZ	0/—	0/—	0/-

^{*} H = Horizontal V = Vertical O = Yes - = No

Note: If the value is over the limit value, adjust these in the fine adjustment mode.

Coarse Data Limit Value:

CENT H	35 ± 170V
CENT V	20 ± 170V
SIZE H	-75 MAX
BLUE H LIN	-425 MIN
RED H LIN	425 MAX

2-13-1.ADJUSTMENT FOR NTSC FULL MODE

• The adjustment should be done in the numerical order given.

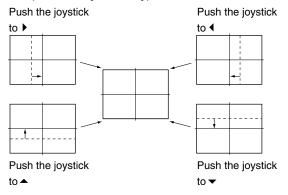
1) GREEN ADJUSTMENT

1. Cover the red and blue CRT lenses with lens caps to allow only green to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

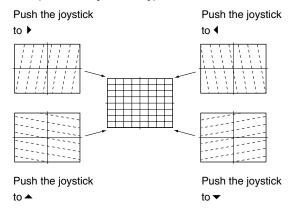
- 2. Enter the monoscope signal to set.
- 3. Select the PJE mode.
- 4. Press the "6" button on the remote commander to display the internal test signal (crosshatch).
- 5. Select "GRN CENT", and adjust so that the pictures coincide in the center of screen.

GRN CENT (Horizontally/Vertically)



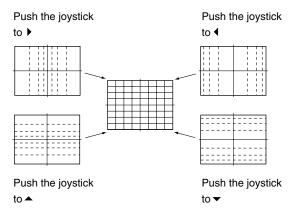
Select "GRN SKEW", and correct the tilt of horizontal lines and vertical lines.

GRN SKEW (Horizontally/Vertically)



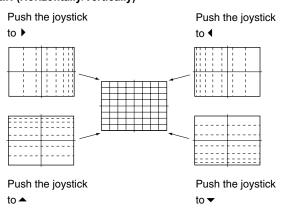
8. Select "GRN SIZE", and adjust so that each distance from center to left end and to right end is equal. Adjust so that each distance from center to top and to bottom is equal.

GRN SIZE (Horizontally/Vertically)



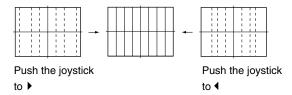
9. Select "GRN LIN", and adjust so that each space at the right end and at the left end of screen is equal. Adjust so that each space at the top and at the bottom of screen is equal.

GRN LIN (Horizontally/Vertically)



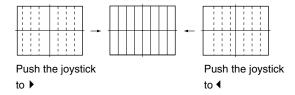
10. Select "GRN MSIZ", and correct the space intervals for the horizontal section so the screen is equal.

GRN MSIZ (Horizontally)



11. Select "GRN MLIN", and correct the sizes of the horizontal line so the center of the screen is symmetrical left and right.

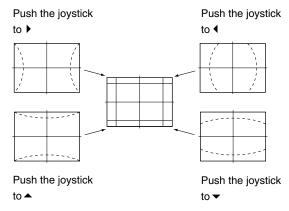
GRN MLIN (Horizontally)



Note: The SIZE and LIN, MSIZ and MLIN adjustments affect each other. If necessary, adjust these mutually.

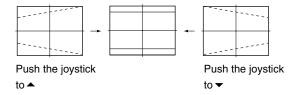
12. Select "GRN PIN", and adjust so that right and left vertical lines on the screen become straight. Adjust so that upper and lower horizontal lines on the screen become straight.

GRN PIN (Horizontally/Vertically)



13. Select "GRN KEY", and adjust so that upper and lower horizontal lines on the screen become parallel.

GRN KEY (Vertically)



Note: The VPIN and KEY adjustments affect each other. If necessary, adjust these mutually.

14. Press the "9" button on the remote commander to enter fine adjustment mode.

- 15. Make the fine adjustment so that horizontal lines and vertical lines become straight.
- 16. Press the "9" button on the remote commander to return to coarse adjustment mode.

2) RED ADJUSTMENT

- Cover the blue CRT lens with a lens caps to allow only the green and red to show (or use the method shown in the note below for turning off the CRTs individually without using lens caps).
- 2. Press the "3" button on the remote commander to select RED mode.
- 3. Adjust the following items so that red lines overlap with green lines.
 - RED CENT (horizontally/vertically)
 - RED SKEW (horizontally/vertically)
 - RED SIZE (horizontally/vertically)
 - RED LIN (horizontally/vertically)
 - RED MSIZ (horizontally)
 - RED MLIN (horizontally)
 - RED PIN (horizontally/vertically)
 - RED KEY (vertically)
- 4. Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green lines.
- Press the "9" button on the remote commander to return to coarse adjustment mode.

Note: If lens caps are unavailable, you can cut off the unnecessary color beams by controlling the service mode 2150P-2 1 RGBS.

3) BLUE ADJUSTMENT

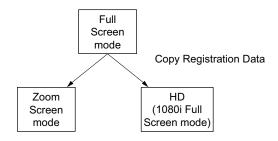
- 1. Remove the lens cap from the blue picture lens to display all colors.
- 2. Press the "3" button on the remote commander to select BLU mode.
- Adjust the following items so that blue lines overlap with green and red lines.
 - BLU CENT (horizontally/vertically)
 - BLU SKEW (horizontally/vertically)
 - BLU SIZE (horizontally/vertically)
 - BLU LIN (horizontally/vertically)
 - BLU MSIZ (horizontally)
 - BLU MLIN (horizontally)
 - BLU PIN (horizontally/vertically)
 - BLU KEY (vertically)
- Press the "9" button on the remote commander to enter fine adjustment mode.
- Make the fine adjustment so that horizontal lines and vertical lines overlap with green and red lines.
- Press the "9" button on the remote commander to return `to coarse adjustment mode.

4) REGISTRATION DATA WRITING

 After completing each adjustment of green, blue, and red for the NTSC Full mode press the "MUTING"+ "ENTER" buttons on the remote commander to write the registration data to the NVM.

2-13-2.COPYING ALL REGISTRATION DATA TO OTHER MODES

- Make sure that the adjustment for NTSC Full mode are complete and the data have already been written.
- 2. Select the PJE mode.
- Select Copy and set the data to "01", and press the "MUTING"+"ENTER" buttons on the remote commander.
- 4. The data from the NTSC Full mode is copied to all other modes.



Check in the other modes and adjust as demands.Be sure to write data in each mode.

2-14.AUTO REGISTRATION OFFSETS

IMPORTANT

This adjustment must be performed after registration adjustment or after readjustment for any reason!

Once registration in all modes is satisfactory:

- 1. Darken the room environment near the set.
- Select input of RF (with a signal) or Video1 Video4 (with a signal), and enter Full Mode.

WARNING: DO NOT USE 1080i SIGNAL!

- 3. Enter service mode and select the PJE group.
- Press the "MUTING" + "ENTER" buttons on the remote commander to write the data for Full mode.

Important:

You must complete step 4 even if registration looks OK in Full mode and there were not any adjustments made.

To automatically store the offset values, press the "FLASH FOCUS" button on the front panel of the set.

(The offset value is now stored)

If FLASH FOCUS successfully calibrates, it displays "CALIBRATION OK."

If FLASH FOCUS does not successfully calibrate, an error message is displayed. (Refer to section 2-15)

- 6. Exit the service mode.
- 7. If the calibration was successful, press the "FLASH FOCUS" button out of service mode.
- 8. Confirm registration is OK in all modes.

2-15.AUTO REGISTRATION ERROR CODES

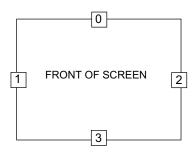
If an error code is displaye □

are off, even slightly, the auto-registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns are being flashed on the screen for the sensors to read. Therefore, auto registration (called auto convergence) cannot operate properly, causing an error code to be displayed. In order for this function to operate properly correct position, tilt, and size must be adjusted properly.

ERROR CODE LIST

ERROR		
CODE	DESCRIPTION	NOTE
00	No Error	
10	Sensor 0 low output	Check sensor 0, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 66 VUP, 70 HMID if necessary.
11	Sensor 1 low output	Check sensor 1, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 69 HLE, 67 VMID if necessary.
12	Sensor 2 low output	Check sensor 2, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 71 HRIV, 67 VMID if necessary.
13	Sensor 3 low output	Check sensor 3, connection/wiring, circuit, and pattern position (are patterns hitting sensor?) adjust 68 VLOW, 70 HMID if necessary.
20	Sensor 0 high output	Check sensor 0 and circuit.
21	Sensor 1 high output	Check sensor 1 and circuit.
22	Sensor 2 high output	Check sensor 2 and circuit.
23	Sensor 3 high output	Check sensor 3 and circuit.
30	V CENT or SKEW adjustment loop overflow	Check 67 VMID data and check registration condition.
31	H CENT or SKEW adjustment loop overflow	Check 70 HMID data and check registration condition.
32	H LIN or SIZE adjustment loop overflow	Check 69 HLE and 71 HRIV data and check registration condition.
40	V CENT regi data overflow	Check 67 VMID data and confirm V CENT data (all modes) is not near 511.
41	H CENT regi data overflow	Check 70 HMID data and confirm H CENT data (all modes) is not near 511.
42	V SKEW regi data overflow	Check 67 VMID data and confirm V SKEW data (all modes) is not near 511.
43	H SKEW regi data overflow	Check 70 HMID data and confirm H SKEW data (all modes) is not near 511.
44	H LIN regi data overflow	Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes) is not near 511.
45	H SIZE regi data overflow	Check 69 HLE and 71 HRIV data and confirm H CENT data (all modes) is not near 511.
50	V CENT regi data overdrow	Check 67 VMID data and confirm V CENT data (all modes) is not near -512.
51	H CENT regi data overdrow	Check 70 HMID data and confirm H CENT data (all modes) is not near -512.
52	V SKEW regi data overdrow	Check 67 VMID data and confirm V SKEW data (all modes) is not near -512.
53	H SKEW regi data overdrow	Check 70 HMID data and confirm H SKEW data (all modes) is not near -512.
54	H LIN regi data overdrow	Check 69 HLE and 71 HRIV data and confirm H LIN data (all modes) is not near -512.
55	H SIZE regi data overdrow	Check 69 HLE and 71 HRIV data and confirm H SIZE data (all modes) is not near -512.
60	CENT/SKEW calibration loop overflow	Check 70 HMID and 67 VMID data and check registration condition.
61	SIZE/LIN calibration loop overflow	Check 69 HLE, 71 HRIV, 66 VUP, and 68 VLOW data and check registration condition.
70	V CENT/SKEW ratio limit	Check sensors 1 and 2, connection/wiring, circuit, increase 65 RTLM.
71	H CENT/SKEW ratio limit	Check sensors 0 and 3, connection/wiring, circuit, increase 65 RTLM.
73	H SIZE/Lin ratio limit	Check sensors 1 and 2, connection/wiring, circuit, increase 65 RTLM.
80	SIZE Limit Error	Check that horizontal SIZE data is not near 64 SZLM.
		÷

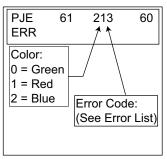
SENSOR POSITIONS



- 0: UPPER SENSOR
- 1: LEFT SENSOR
- 2: RIGHT SENSOR
- 3: LOWER SENSOR

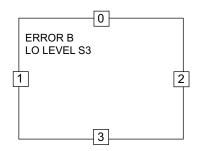
• ERROR CODE SCREEN DISPLAY

Error codes in normal (customer) mode are not displayed. You must enter PJE service mode to see the error code.



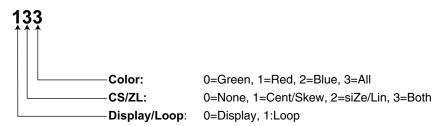
(Blue Sensor 3 Low Output)

In service mode, the error will be displayed in text format.

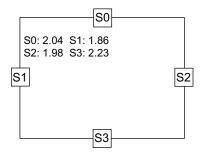


2-16.AUTO REGISTRATION DIAGNOSTICS

The TEST service item (PJE #72) can be used to determine if a sensor or sensor amplifier is working properly. It can also be used to check pattern positions.



DISPLAY/ LOOP	CS/ZL	COLOR	ACTION
(0)	0	0	Normal calibration (no diagnostics).
(0)	Χ	Χ	Performs one adjustment cycle, then
			displays average peak voltages for the
			specified CS/ZL and Color.
(0)	3	3	Does nothing (can't display more than one
			CS/ZL or Color at a time.)
1	Х	Х	Adjusts specified CS/ZL and Color
			until a key is pressed. Useful for
			measuring signals with oscilloscope.



Sensor 0 peak voltage = 2.04 V, etc.

SECTION 3: SAFETY-RELATED ADJUSTMENTS

D BOARD

3-1. HV REGULATION CIRCUIT CHECK AND ADJUSTMENT

When replacing the following components marked with a \square on the schematic diagram always check the HV regulation, and if necessary re-adjust.

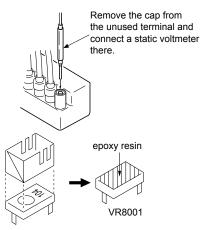
Part Replaced (☑)	Adjustment (█)
Part Replaced (□) A BOARD: C8079, C8083, C8090, C8129, D8013, D8038, D8043, D8051, IC8006, Q8021, R8055, R8099, R8102, R8128, R8129, R8131, R8139, R8140, R8142, R8153, R8163, R8223, R8230, T8004 (LOT), T8005 (FBT), HV Block, D Board	HV REGULATOR VR8001
HV Block, D Board	

OPERATION CHECK

- 1. Receive the all white signal.
- 2. Set PIC MAX/BRT CENT.
- Confirm that the voltage between CN8015 ① PIN and GND is less than 7.80VDC.

HV REGULATION ADJUSTMENT

- 1. Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
- 2. Power on the set.
- 3. Receive the all white signal.
- 4. Set PIC MAX/BRT CENT.
- 5. Confirm that the static voltmeter reading is 31.0 ± 0.4 V. If not, adjust with VR8001 to the specified value.
- 6. After adjustment, put the VR cover on VR8001 (as shown below) and apply sufficient amount of epoxy resin around VR8001.



3-2. HV HOLD DOWN CIRCUIT OPERATION CHECK AND ADJUSTMENT

When replacing the following components marked with a \square on the schematic diagram always check the hold-down voltage and re-adjust when necessary.

Part Replaced (☑)	Adjustment (█)
A BOARD: C8054, C8086, C8088, C8100, C8104, C8118, C8123, C8124, C8094 D8019, D8020, D8022, D8028, D8036, FB8001, IC8008, Q8035, Q8043, R8035, R8043, R8159, R8166, R8171, R8196, R8201, T8004 (LOT), T8005 (FBT), HV Block, D Board	HV HOLD DOWN VR8002

OPERATION CHECK

- 1. Receive the dot signal.
- 2. Set PIC MIN/BRT MIN.
- 3. Confirm that the voltage between cathode of D8038 (JW171) and GND is more than 23.0V DC.
- Using an external DC Power supply, apply the voltage shown below between cathode of D8038 (JW171) on "D" and GND, then confirm that the HV-Prot circuit works. (Raster disappears)

Apply DC voltage: Less than 29.05V DC.

HV HOLD-DOWN ADJUSTMENT

- Connect a HV static voltmeter to the unconnected plug of the high-voltage block.
- 2. Power on the set.
- 3. Connect an external $10k\Omega$ VR at CN8015 and adjust this VR so that the high voltage is 34.50kV.
- Adjust VR8002 to the point that the HV-Prot circuit works (Raster disappears) at 34.50 ± 0.50kV reading on the static voltmeter.
- After adjustment, put the VR cover on VR8002 and apply sufficient amount of epoxy resin around VR8002 as the same manner for VR8001.

G BOARD

3-3. +B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC501, R5032.

- 1. Supply 130VAC to variable autotransformer.
- 2. Receive dot signal pattern and set the PICTURE and BRIGHTNESS settings to their minimum.
- 3. Confirm the voltage of TP +B 135V is less than 137.0Vdc.
- 4. If step 3 is not satisfied, replace IC501 and repeat steps 1-3.

3-4. +B OVP CONFIRMATION

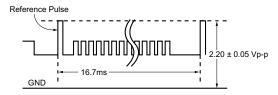
- 1. Add to low voltage power supply between to TP5001 and ground.
- 2. Supply 120VAC to variable autotransformer.
- 3. Power on the Set and receive dot signal pattern.
- 4. Set the PICTURE and BRIGHTNESS settings.
- 5. Check the OVP is activated.

Operate :less than 2.50V

SECTION 4: CIRCUIT ADJUSTMENTS

4-1. BLUE OFFSET ADJUSTMENT

- Receive the all black (1080i, component) signal with VIDEO 5 input, and set PICTURE to maximum.
- Connect an oscilloscope between CN5 pin (B) on the (A board) and ground.
- 3. Set in the service mode and select the category "2150D-2".
- 4. Adjust "SLIN" so that the waveform level is 2.20 ± 0.05Vpp.
- After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.
- Receive the RF signal and change the wide screen mode to "Wide Zoom". Copy the same data to "SLIN".



4-2. P & P SUB CONTRAST ADJUSTMENT (VIDEO) (SCON)

1. Receive the signal.

TV terminal (sub) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (main) : Color-bar (white-75%, 7.5% setup)

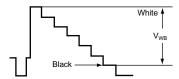
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Minimum

2150P-2 1 RGBS : 2

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between the check point and ground.

Check points : CN5 pin ® A Board : CN5 pin ®

- 5. Select "2103-1-02" (Main scon), and adjust so that the waveform level of V_{WB} is 1.55 \pm 0.04Vp-p.
- 6. Select "2103-2-02" (Sub scon), and adjust so that the waveform level of V_{WB} is 1.55 \pm 0.04Vp-p.
- After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



4-3. P & P SUB CONTRAST ADJUSTMENT (RF) (SCON)

1. Receive the signal.

TV terminal (sub) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (main) : Color-bar (white-75%, 7.5% setup)

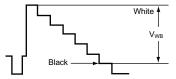
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Minimum

2150P-2 1 RGBS : 2

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between the check point and ground.

Check points : CN5 © A Board : CN5 ©

- 5. Select "2103-1-02" (Main scon), and adjust so that the waveform level of V_{WB} is 1.55 \pm 0.04Vp-p.
- 6. Select "2103-2-02" (Sub scon), and adjust so that the waveform level of V_{WB} is 1.55 \pm 0.04Vp-p.
- 7. After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



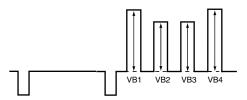
4-4. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (VIDEO) (SHUE, SCOL)

1. Receive the signal.

TV terminal (sub) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (main) : Color-bar (white-75%, 7.5% setup)

2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Center
2150P-2 1 RGBS : 7

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between pin ⑦ of CN5 (A board) connector and ground.
- Select "2103-1-03 SCOL, -04 SHUE" (Main), and adjust them to have VB1 ≤ VB4 and VB2 ≤ VB3 in the waveform levels.
- Select "2103-2-03 SCOL, -04 SHUE" (Sub), and adjust them to have VB1 ≤ VB4 and VB2 ≤ VB3 in the waveform levels.
- After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



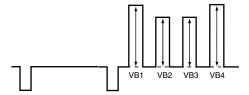
4-5. P & P SUB-HUE AND SUB-COLOR ADJUSTMENT (RF) (SHUE, SCOL)

1. Receive the signal.

TV terminal (main) : Color-bar (white-75%, 7.5% setup)
VIDEO terminal (sub) : Color-bar (white-75%, 7.5% setup)

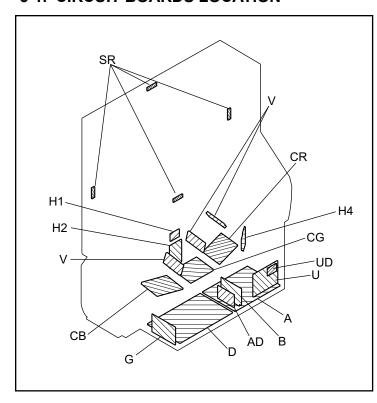
2. VIDEO MODE : Pro
PICTURE : Maximum
COLOR : Center
2150P-2 1 RGBS : 7

- 3. Set to P & P mode, and set to service mode.
- 4. Connect an oscilloscope between pin ⑦ of CN5 (A board) connector and ground.
- 5. Select "2103-1-03 SCOL, -04 SHUE" (Main), and adjust them to have VB1 \leq VB4 and VB2 \leq VB3 in the waveform levels.
- 6. Select "2103-2-03 SCOL, -04 SHUE" (Sub), and adjust them to have VB1 \leq VB4 and VB2 \leq VB3 in the waveform levels.
- 7. After completing the adjustments, write the data into memory by pressing "MUTING" → "ENTER" on the remote commander.



SECTION 5: DIAGRAMS

5-1. CIRCUIT BOARDS LOCATION



5-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS INFORMATION

All capacitors are in μF unless otherwise noted. pF : $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.

All electrolytics are in 50V unless otherwise specified.

All resistors are in ohms. K=1000, M=1000k

Indication of resistance, which does not have one for rating electrical $% \left(1\right) =\left(1\right) \left(1\right) \left($

power, is as follows: Pitch: 5mm

Rating electrical power: 1/4 W

¹/₄ W in resistance, ¹/₁₀ W and ¹/₈ W in chip resistance.

: nonflammable resistor.

: fusible resistor.

Δ : internal component.

: panel designation and adjustment for repair.

上: earth ground

++ : earth-chassis

All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

Readings are taken with a NTSC color-bar signal input.

Readings are taken with a 10M digital multimeter.

Voltages are DC with respect to ground unless otherwise noted.

Voltage variations may be noted due to normal production tolerances.

All voltages are in V.

S: Measurement impossibility.

: B+ line

: B-line. (Actual measured value may be different).

: signal path. (RF)

Circled numbers are waveform references.

The components identified by \blacksquare in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be necessary, replace only with the value originally used.

When replacing components identified by , make the necessary adjustments as indicated. If the results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved.

(Refer to adjustments in Sections 3-1 and 3-2.)

When replacing the parts listed in the table below, it is important to perform the related adjustments.

Part Replaced (☑)	Adjustment (█)	
A BOARD: C8079, C8083, C8090, C8129, D8013, D8038, D8043, D8051, IC8006, Q8021, R8055, R8099, R8102, R8128, R8129, R8131, R8139, R8140, R8142, R8153, R8163, R8223, R8230, T8004 (LOT), T8005 (FBT), HV Block, D Board	HV REGULATOR VR8001	
A BOARD: C8054, C8086, C8088, C8100, C8104, C8118, C8123, C8124, C8094 D8019, D8020, D8022, D8028, D8036, FB8001, IC8008, Q8035, Q8043, R8035, R8043, R8159, R8166, R8171, R8196, R8201, T8004 (LOT), T8005 (FBT), HV Block, D Board	HV HOLD DOWN VR8002	

REFERENCE INFORMATION

RESISTOR : RN METAL FILM

: RC SOLID

: FPRD NONFLAMMABLE CARBON
: FUSE NONFLAMMABLE FUSIBLE
: RW NONFLAMMABLE WIREWOUND
: RS NONFLAMMABLE METAL OXIDE
: RB NONFLAMMABLE CEMENT
: X ADJUSTMENT RESISTOR

COIL : LF-8L MICRO INDUCTOR

CAPACITOR: TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

: MPS METALIZED POLYESTER : MPP METALIZED POLYPROPYLENE

: ALB BIPOLAR

: ALT HIGH TEMPERATURE

: ALR HIGH RIPPLE

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

The symbol indicates a fast operating fuse and is displayed on the component side of the board. Replace only with fuse of the same rating as marked.

NOTE: Les composants identifies per un trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Le symbole \blacksquare indique une fusible a action rapide. Doit etre remplace par une fusible de meme yaleur, comme maque.

Terminal name of semiconductors in silk screen printed circuit (*)

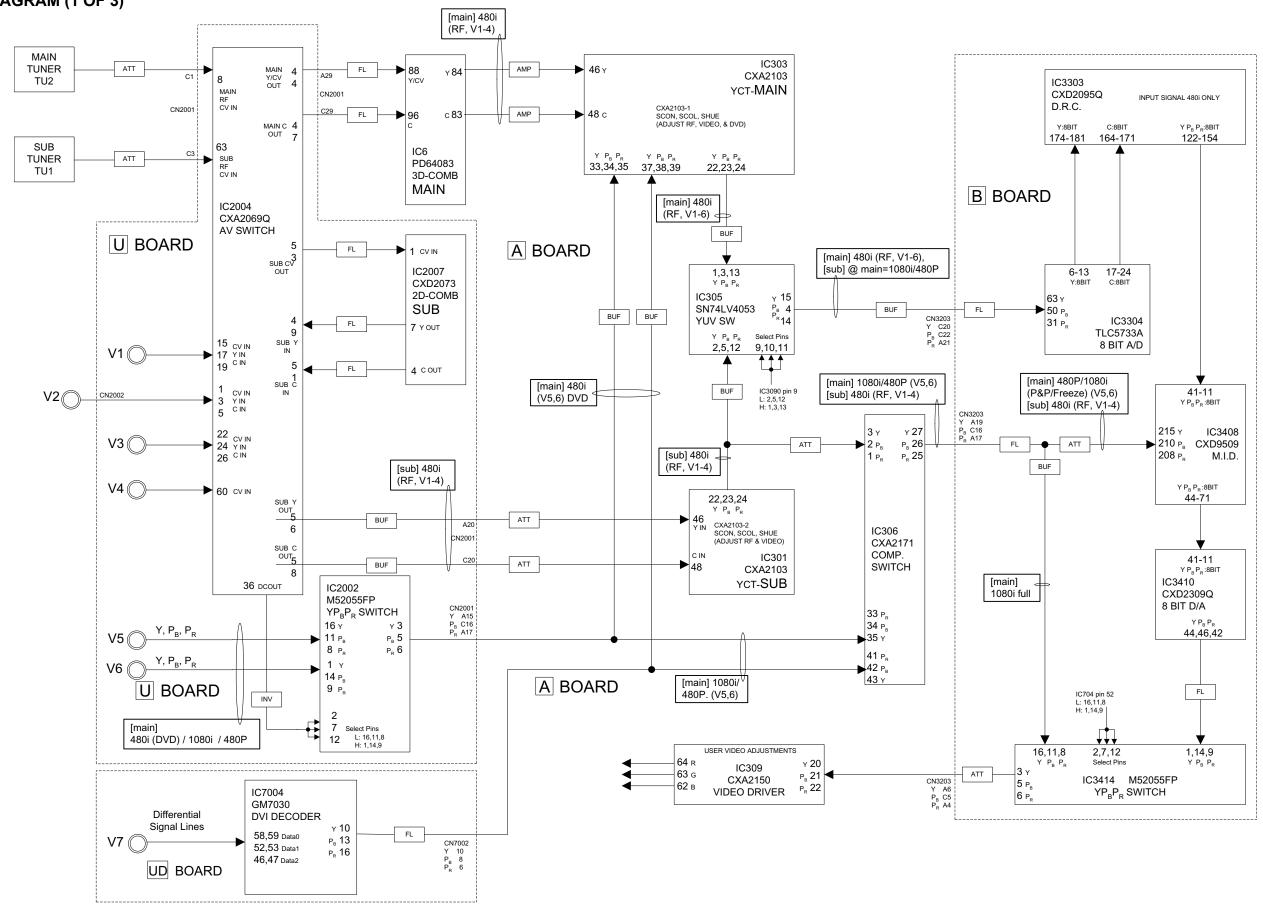
\exists	Device	Printed symbol	Terminal name	Circuit
1	Transistor		Collector Base Emitter	
2	Transistor		Collector Base Emitter	
3	Diode		Cathode Anode	<u></u>
4	Diode		Cathode Anode (NC)	<u>\$</u>
(5)	Diode		Cathode Anode (NC)	J.,
6	Diode		Common Anode Cathode	, °, .
7	Diode		Common Anode Cathode	L <mark>≯I → ≯</mark> J
8	Diode		Common Anode Anode	, Ŷ.,
9	Diode		Common Anode Anode	[▶+ ♣]
10	Diode		Common Cathode Cathode	
11)	Diode		Common Cathode Cathode	
12	Diode		Anode Cathode Anode Cathode Anode	
13	Transistor (FET)		Drain Source Gate	
14)	Transistor (FET)	þ	Drain Source Gate	so so
(15)	Transistor (FET)		□ Source □ Drain □ Gate	
16	Transistor		☐ Emitter☐ Collector☐ Base	
17)	Transistor	++	C2 B1 E1 E2 B2 C1	B10 0C2 B10 0E2
18)	Transistor	++	C1 B2 E2 E1 B1 C2	C10 QC2 B10-11 OB2
19	Transistor		C1 B2 E2 E1 B1 C2	E10 OE2
20)	Transistor		C1 B2 E2 E1 B1 C2	B10 0 0 E2 C10 0 C2
21)	Transistor		E2 B1 E1 C2 C1(B2)	C1(B2)Q QC2 B1Q E2Q QE2
22	Transistor		(B2) B1 E1 E2 C1 C2	B10 C10 OC2
23	Transistor		E2 E1 B1 C2 C1	B10-C10 OC2
-	Discrete ser	miconductor		

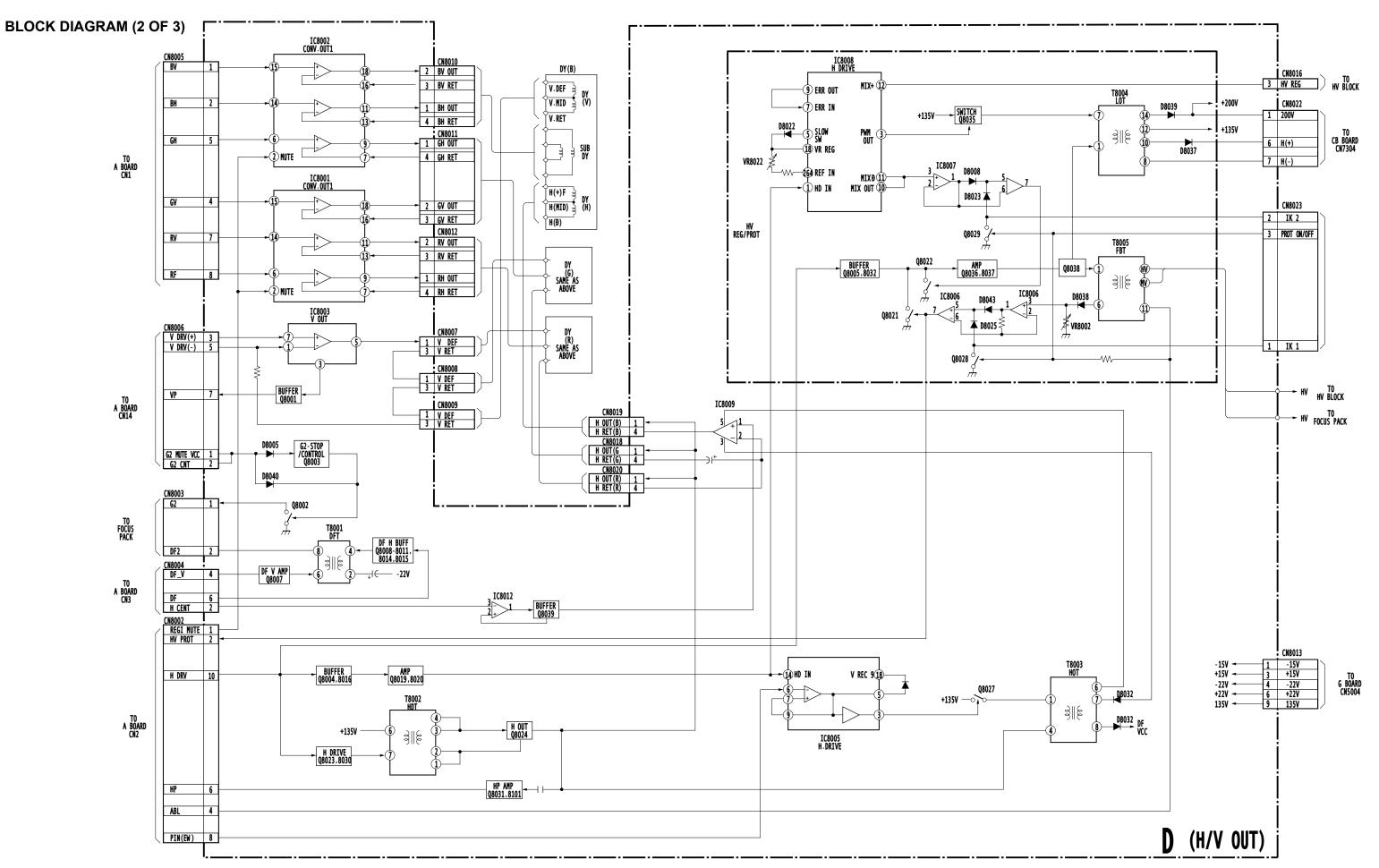
(Chip semiconductors that are not actually used are included.)

Ver.1

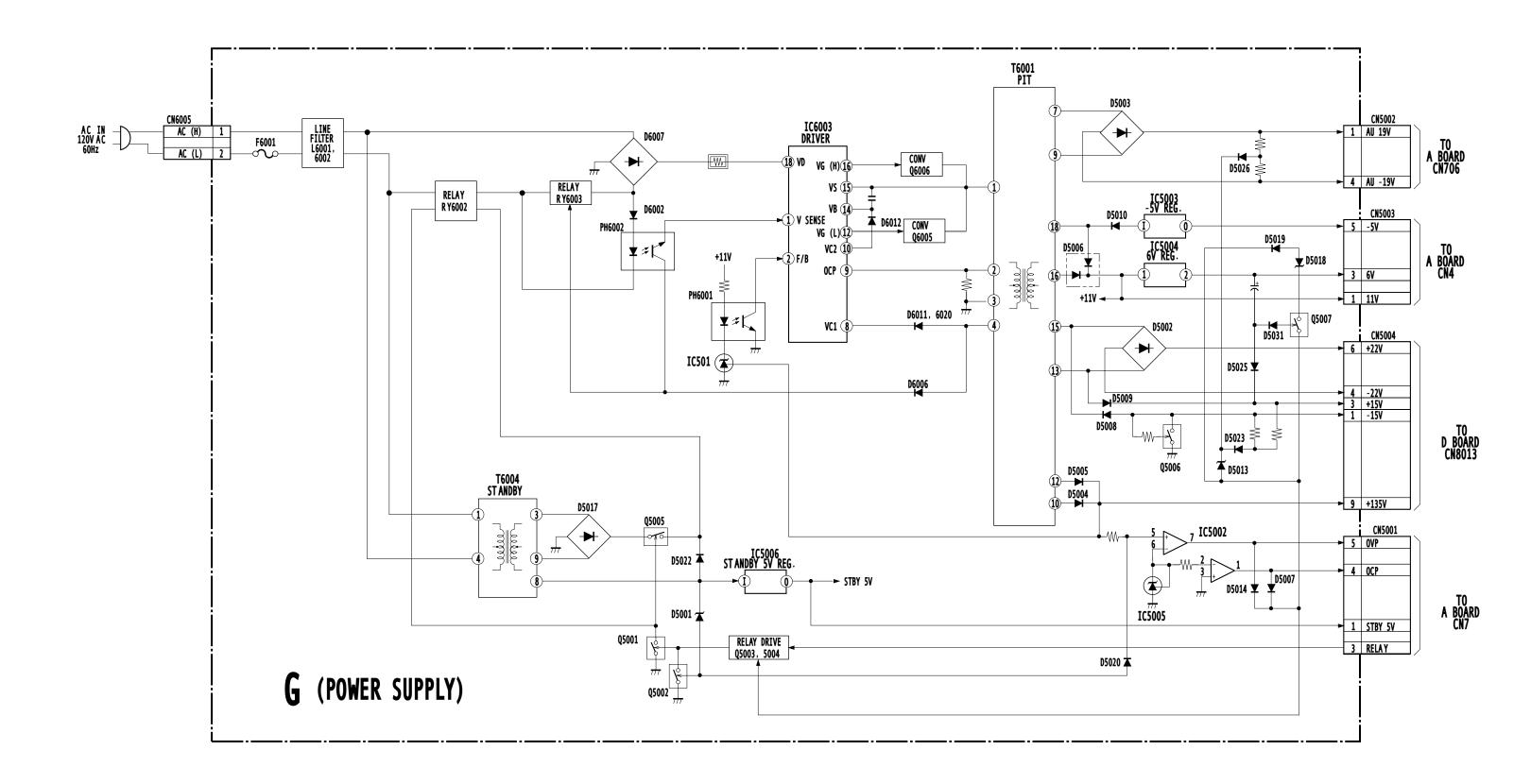
5-3. BLOCK DIAGRAMS

BLOCK DIAGRAM (1 OF 3)



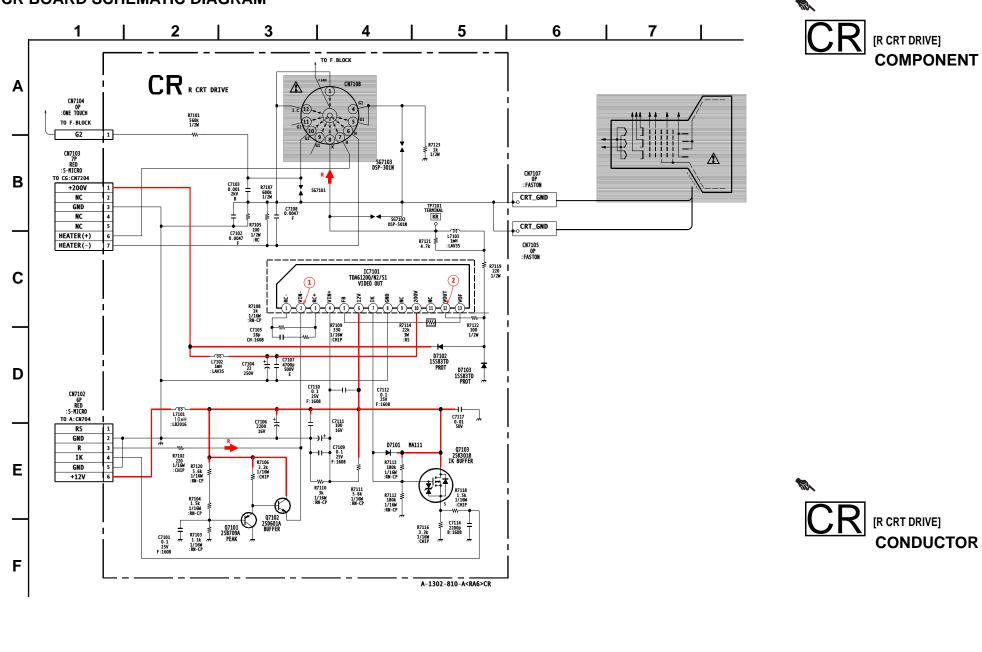


BLOCK DIAGRAM (3 OF 3)

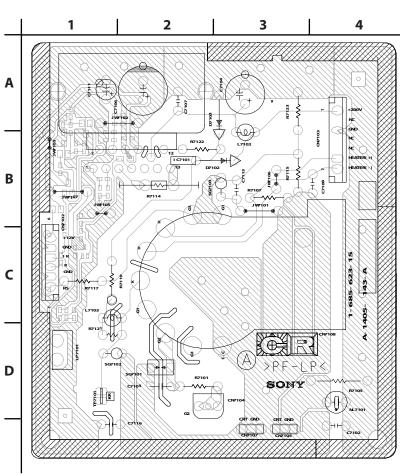


5-4. SCHEMATICS AND SUPPORTING INFORMATION

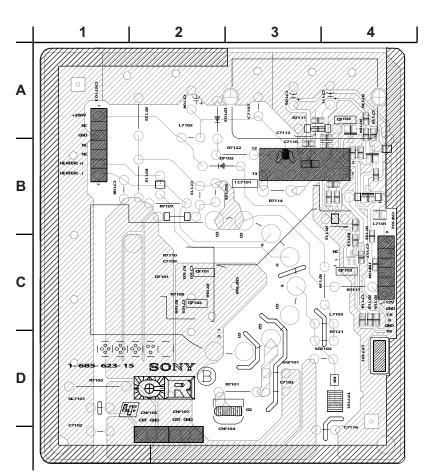
CR BOARD SCHEMATIC DIAGRAM



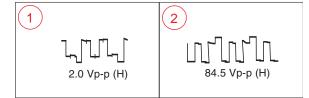








CR BOARD WAVEFORMS



CR BOARD IC VOLTAGE LIST

107404						
IC7101						
PIN	VOLT	PIN	VOLT			
1	2.0	8	GND			
2	2.7	9	N/C			
3	3.4	10	200.0			
4	4.1	11	N/C			
5	2.6	12	157.7			
6	12.0	13	158.2			
7	7 7.0 All voltages are in V					

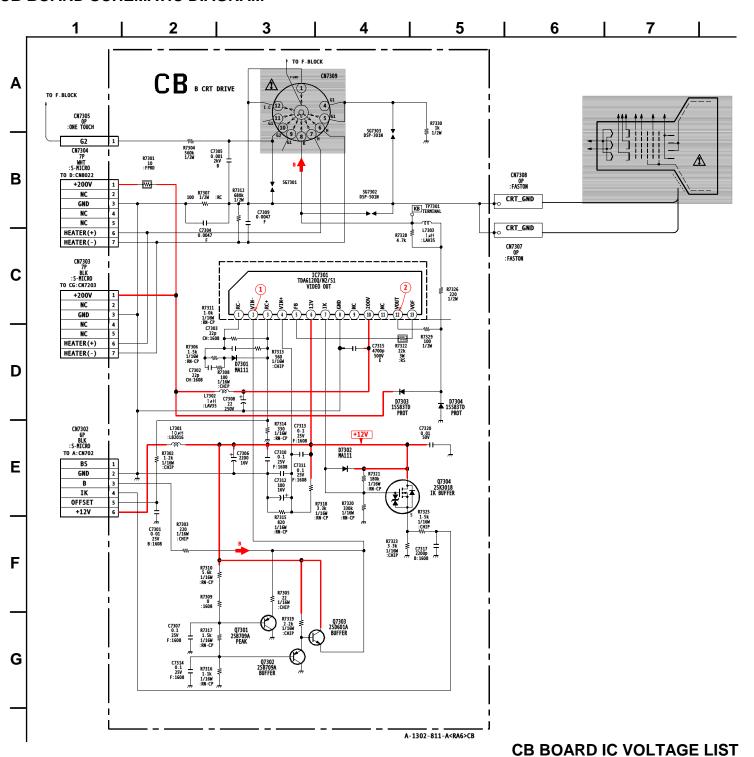
CR BOARD TRANSISTOR LIST

	В	С	E
Q7101	1.7	GND	2.3
Q7102	2.3	12.0	2.7

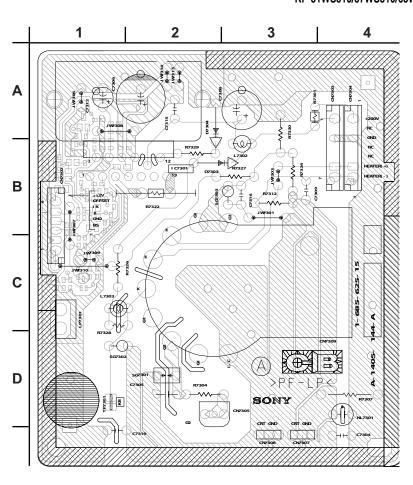
	G	D	S
Q7103	7.0	12.0	5.7

All voltages are in V.

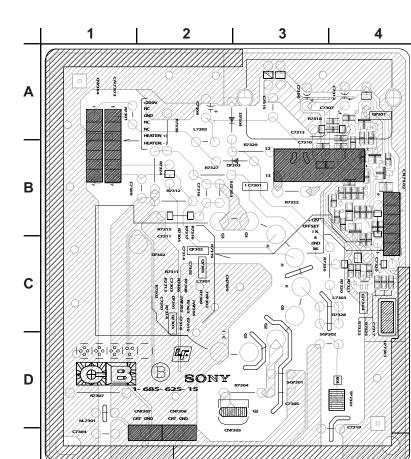
CB BOARD SCHEMATIC DIAGRAM











CB BOARD ICT

1	2
7 JWW7J	ւլտուլ
1.9 Vp-p (H)	94.0 Vp-p (H)

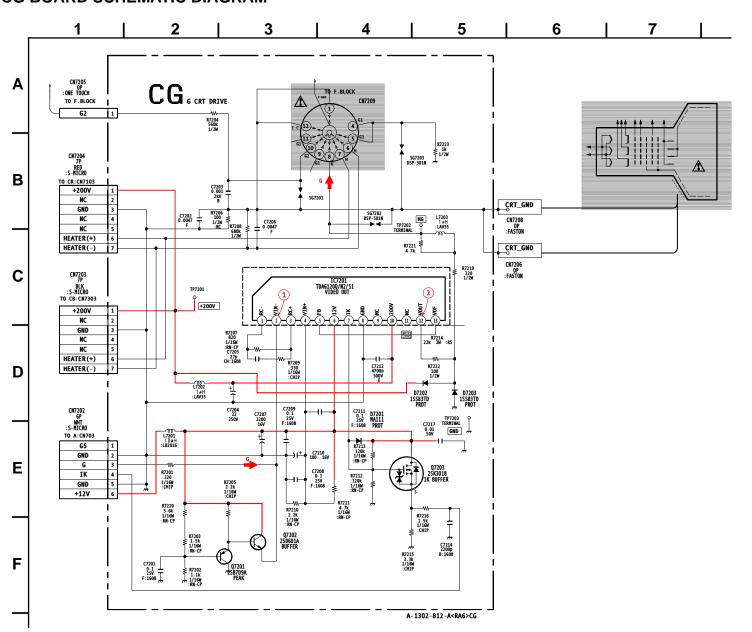
IC7301				
PIN	VOLT	PIN	VOLT	
1	2.1	8	GND	
2	2.9	9	N/C	
3	1.6	10	200.0	
4	2.9	11	N/C	
5	2.5	12	161.8	
6	12.0	13	144.5	
7	7 7.3 All voltages are in V.			

CB BOARD TRANSISTOR LIST

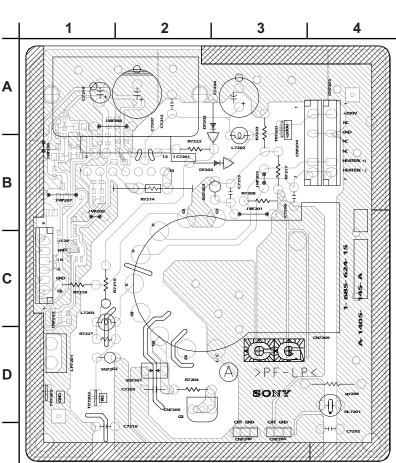
	В	С	E
Q7301	3.9	GND	3.0
Q7302	1.7	GND	2.4
Q7303	2.4	12.0	2.9

	G	D	S
Q7304	7.3	12.0	6.0

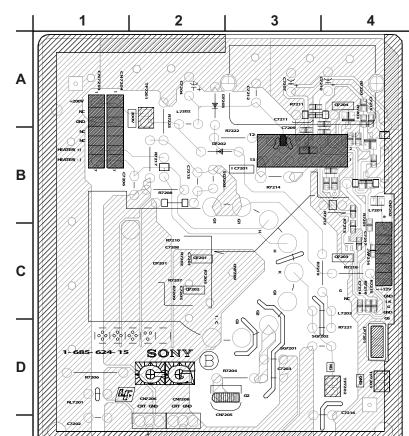
CG BOARD SCHEMATIC DIAGRAM



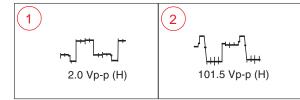








CG BOARD WAVEFORMS



CG BOARD IC VOLTAGE LIST

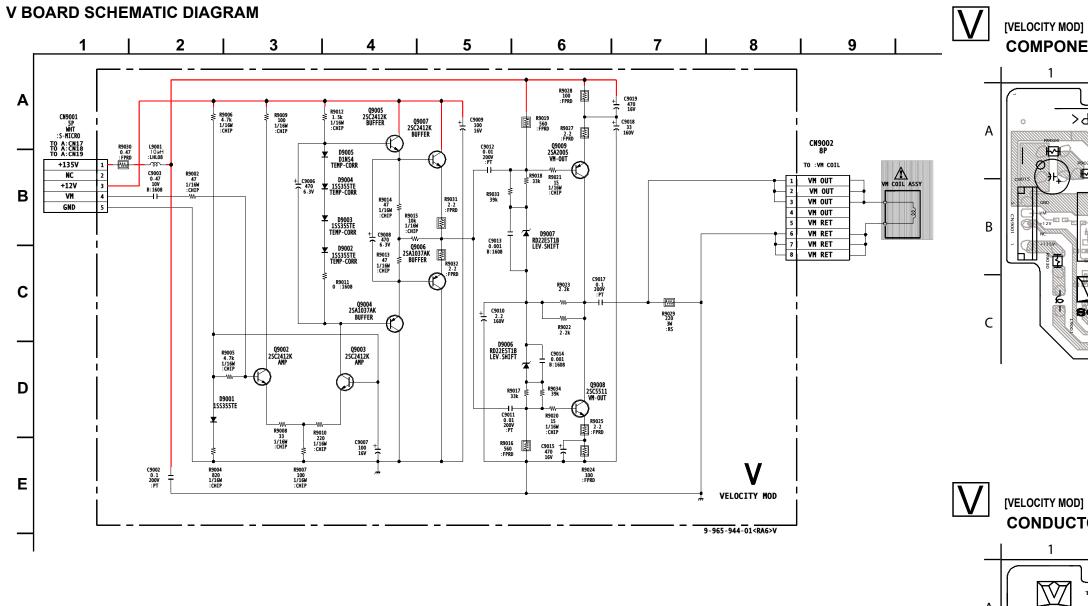
IC7201											
PIN	VOLT	PIN	VOLT								
1	1.9	8	GND								
2	2.6	9 N/C									
3	3.1	10	200.0								
4	3.8	11	N/C								
5	2.5	12	155.1								
6	12.0	13 159.2									
7	7.6	All voltages are in V.									

CG BOARD TRANSISTOR LIST

	В	С	E
Q7201	1.7	GND	2.3
Q7202	2.3	12.0	2.6

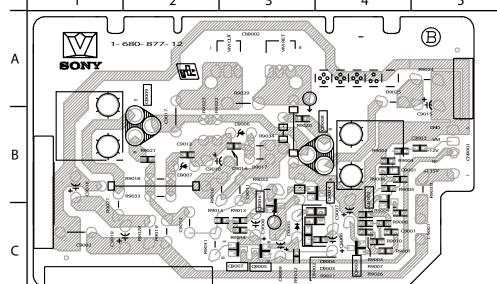
	G	D	S
Q7203	7.6	12.0	6.3

All voltages are in V.



COMPONENT SIDE >41-91<

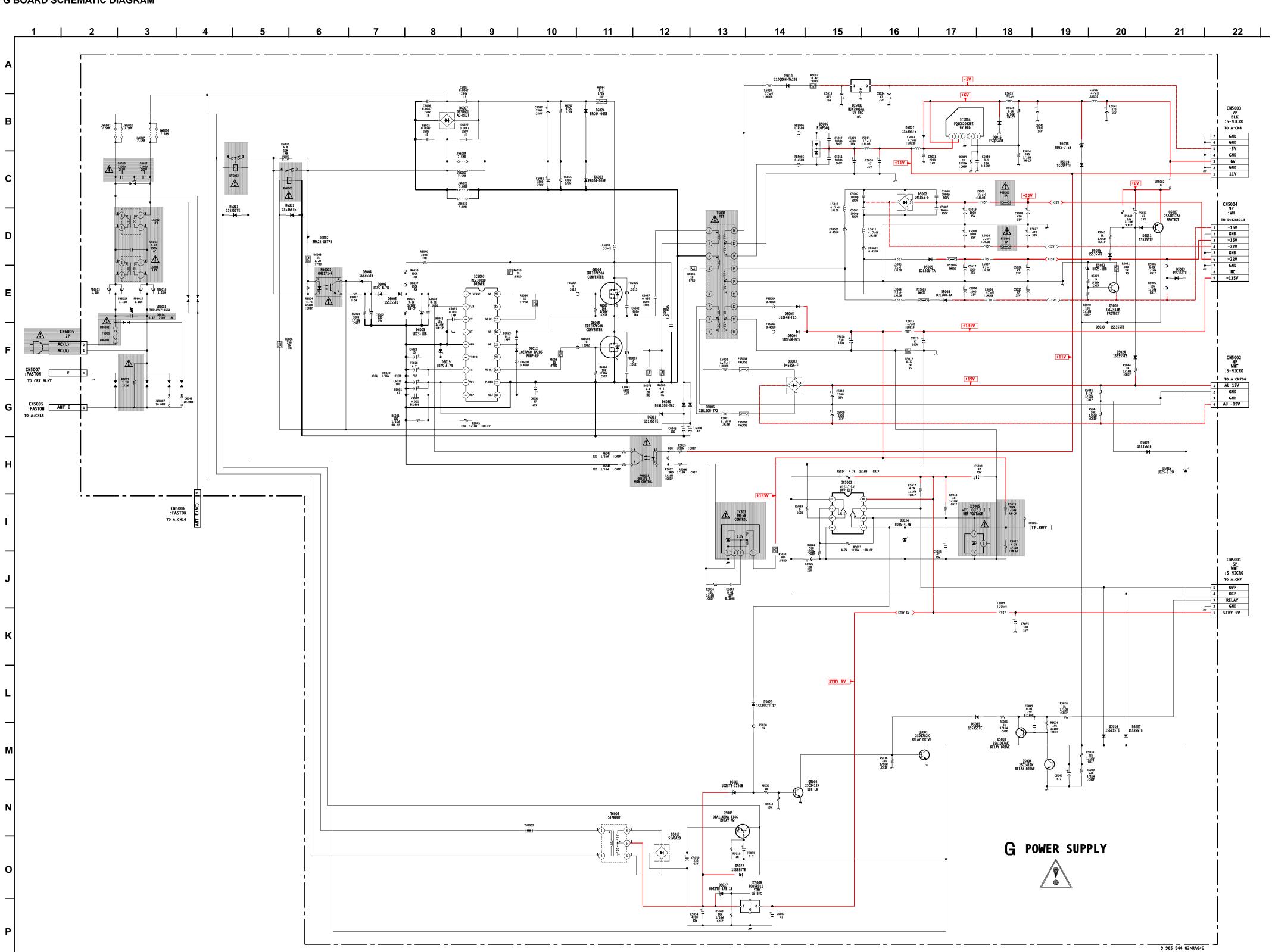
[VELOCITY MOD] **CONDUCTOR SIDE**



V BOARD TRANSISTOR LIST

	В	С	E
Q9002	3.3	11.9	2.7
Q9003	3.3	6.6	2.7
Q9004	6.6	7.2	GND
Q9005	9.0	12.0	8.4
Q9006	7.2	GND	7.8
Q9007	8.4	12.0	7.8
Q9008	1.4	68.0	8.0
Q9009	134.3	68.0	134.9

All voltages are in V.



G BOARD IC VOLTAGE LIST

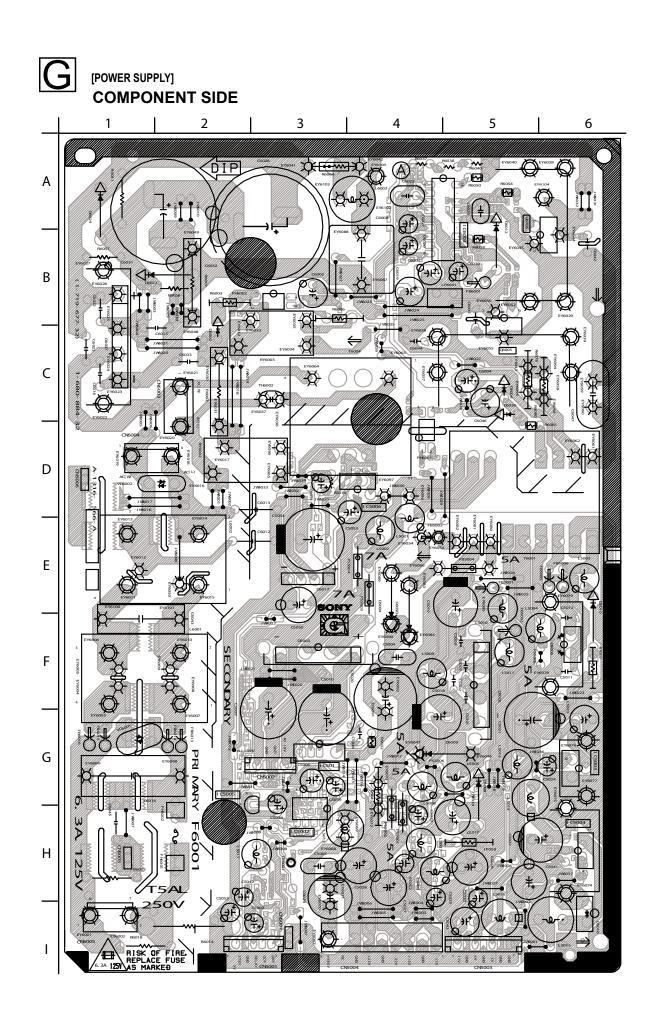
IC	501	IC5	004	IC6	003					
PIN	VOLT	PIN	VOLT	PIN	VOLT					
1	134.4	1	10.4	1	2.8					
3	2.5	2	6.5	2	1.9					
4	7.3	3	GND	3	2.2					
5	GND	4	1.2	4	1.5					
IC5	002	5	6.7	5	GND					
PIN	VOLT	IC5	005	6	0.0					
1	-0.1	PIN	VOLT	7	4.6					
2	0.1	1	2.3	8	20.1					
3	0.0	2	0.0	9	0.0					
4	-0.1	3	2.3	10	10.5					
5	2.2	IC5	006	11	GND					
6	2.3	PIN	VOLT	12	4.9					
7	-0.1	I	9.8	13	N/C					
8	5.0	0	5.0	14	155.6					
IC5	003	G	GND	15	145.6					
PIN	VOLT			16	150.6					
ı	-9.0			17	N/C					
0	-5.0			18	304.5					
G	GND		•	All volta	iges are in V.					

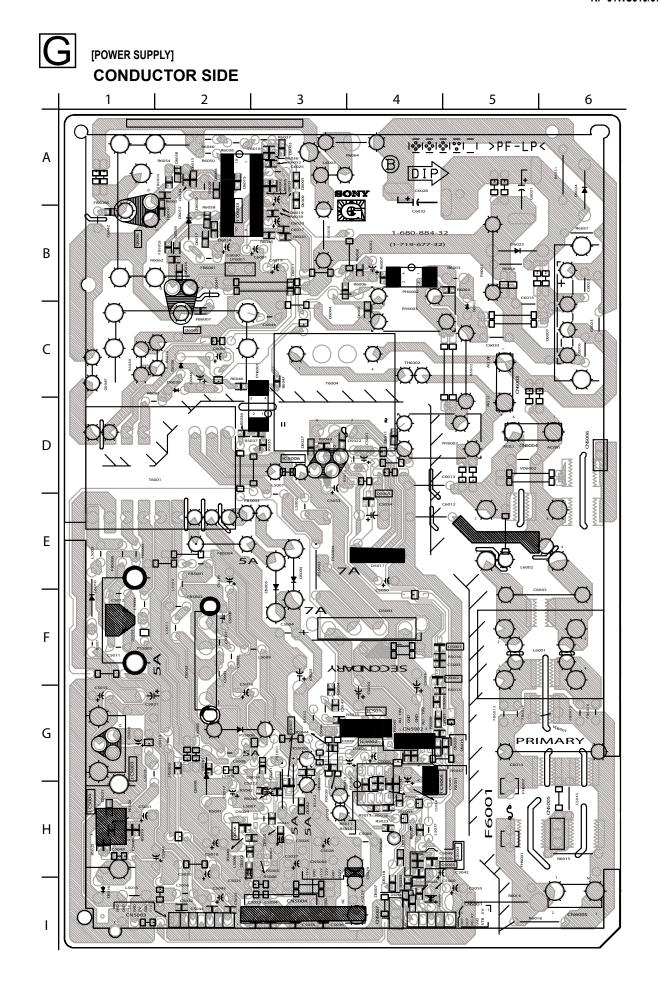
G BOARD TRANSISTOR LIST

	В	С	E
Q5001	0.7	0	GND
Q5002	0.0	0.7	GND
Q5003	3.0	0.0	3.0
Q5004	0.0	3.0	GND
Q5005	22.3	9.1	22.8
Q5006	-15.0	0.0	-15.0
Q5007	6.2	0.1	6.2

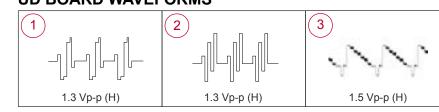
	ט	5	7
Q6005	156.0	4.9	0.0
Q6006	302.5	160.0	156

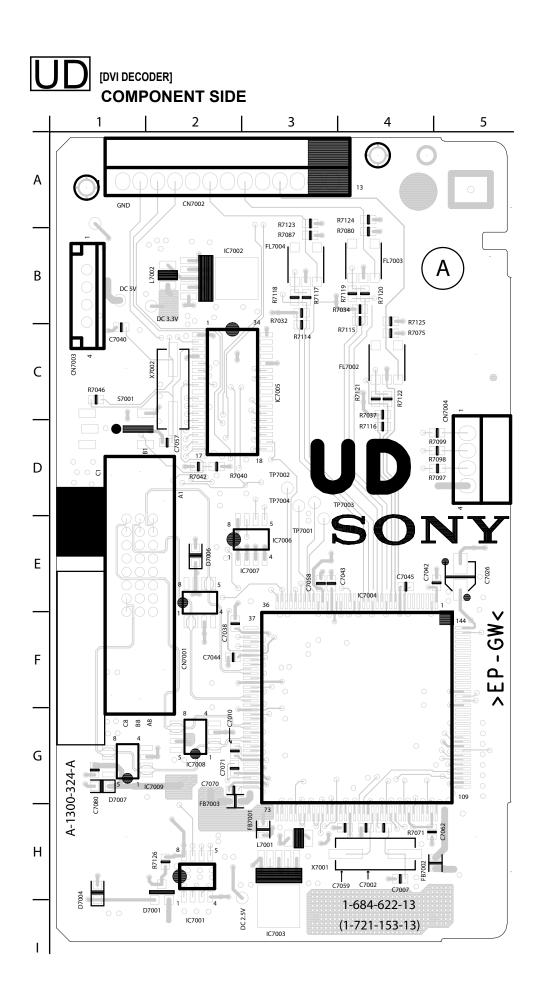
All voltages are

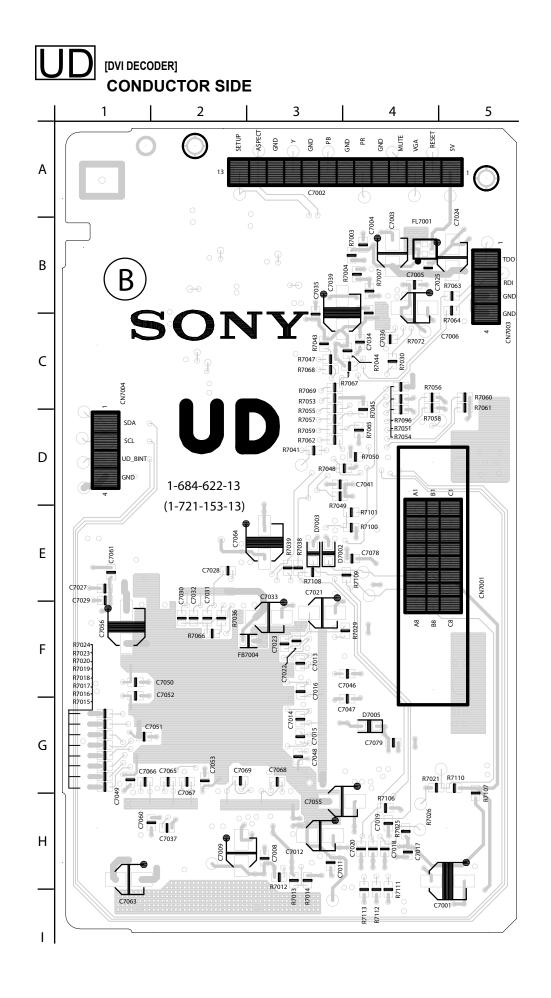


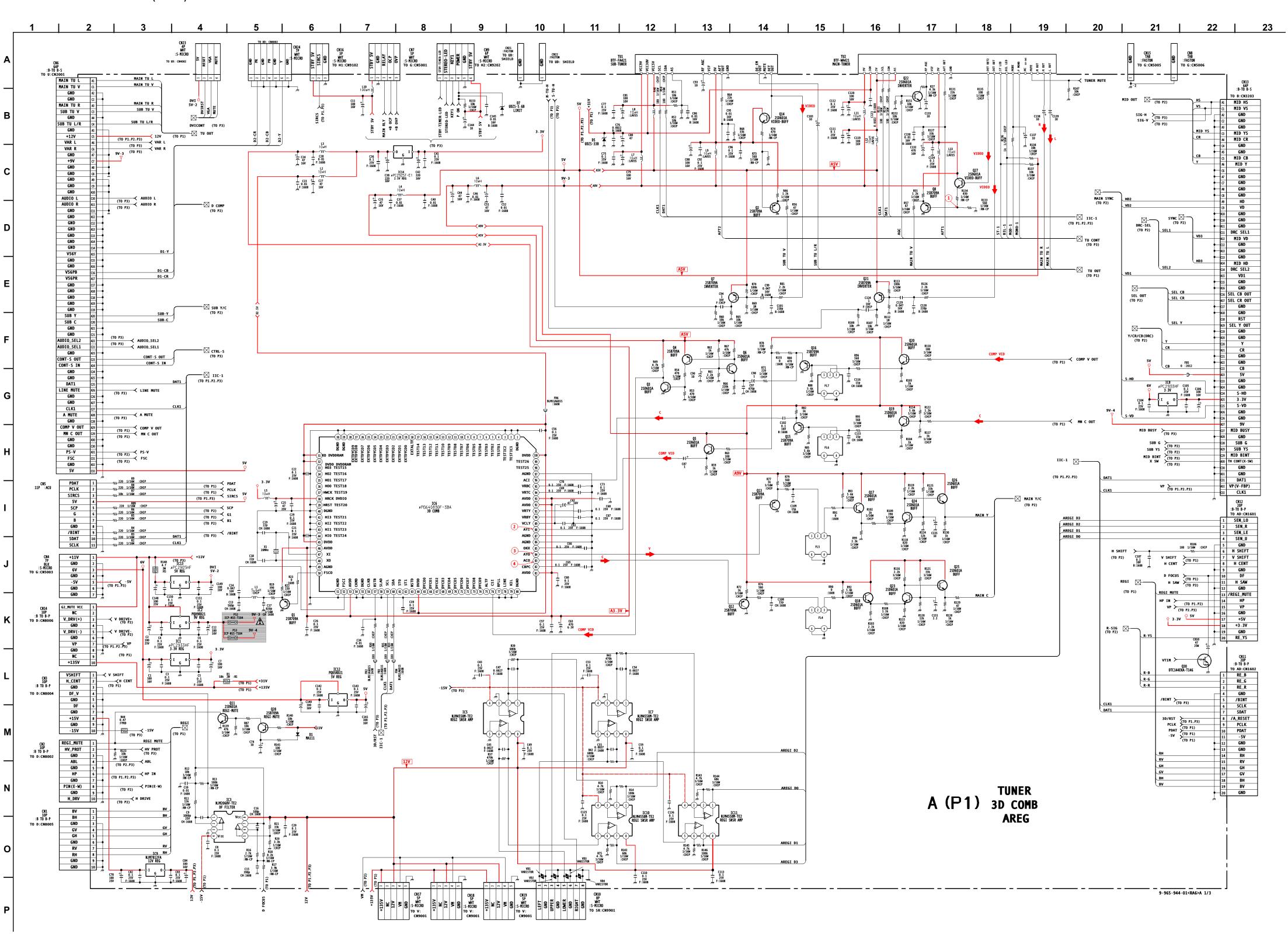


UD BOARD WAVEFORMS



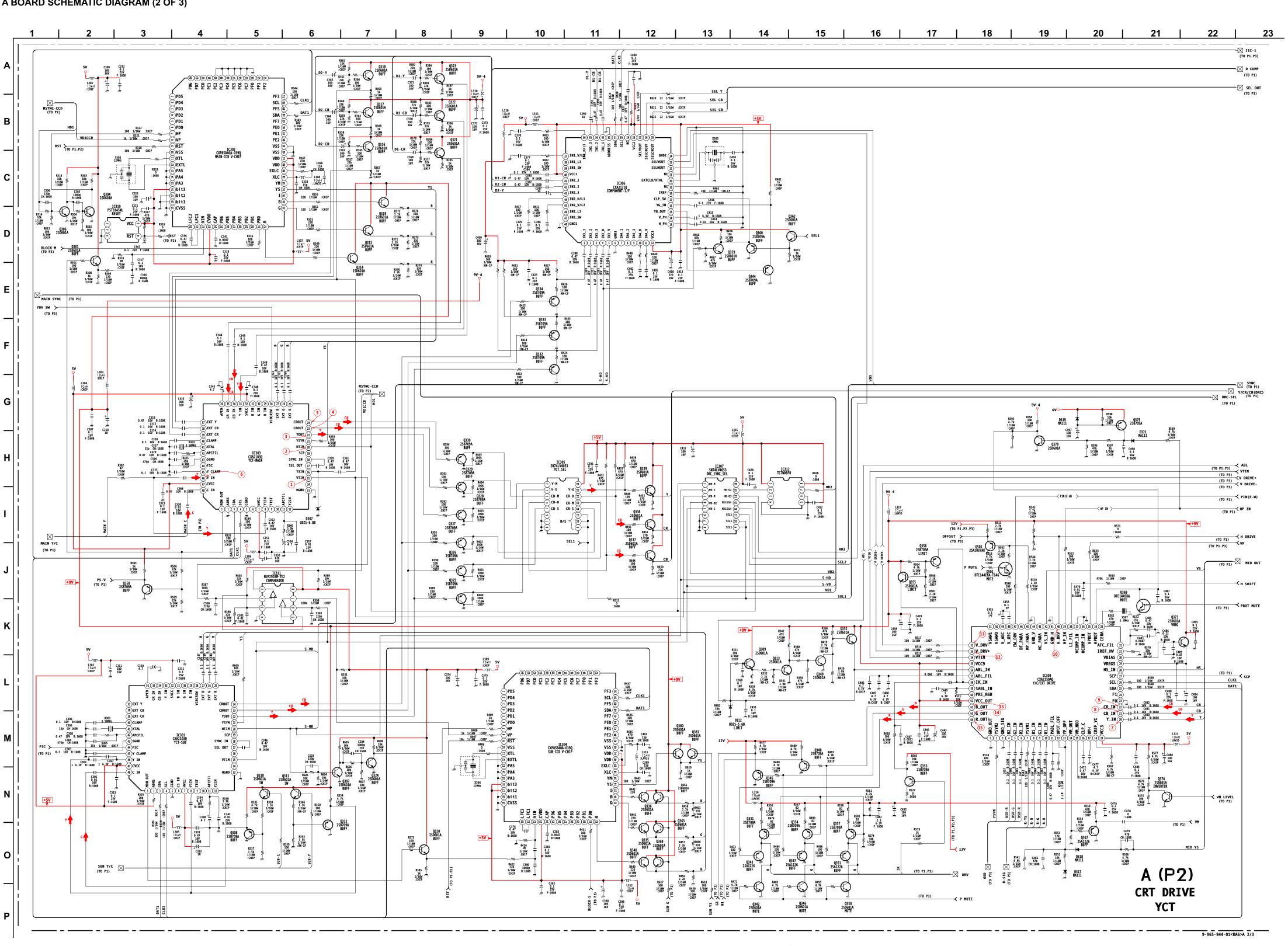




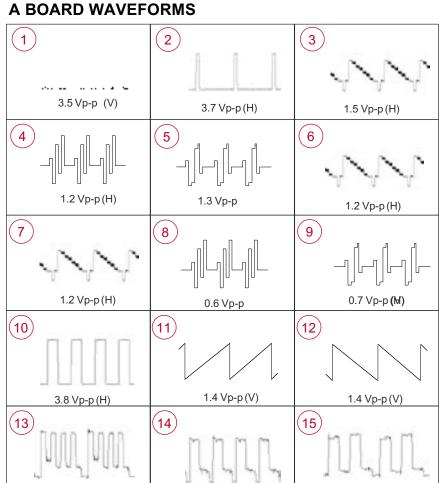


A BOARD WAVEFORMS

1	2
	-\rho^{\infty}_\rho^{\infty}_
2.1Vp-p (H)	2.1Vp-p (H)
3	4
Proposition of the same of the	-3-E-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
3√p-p (H)	2Vp-p (H)

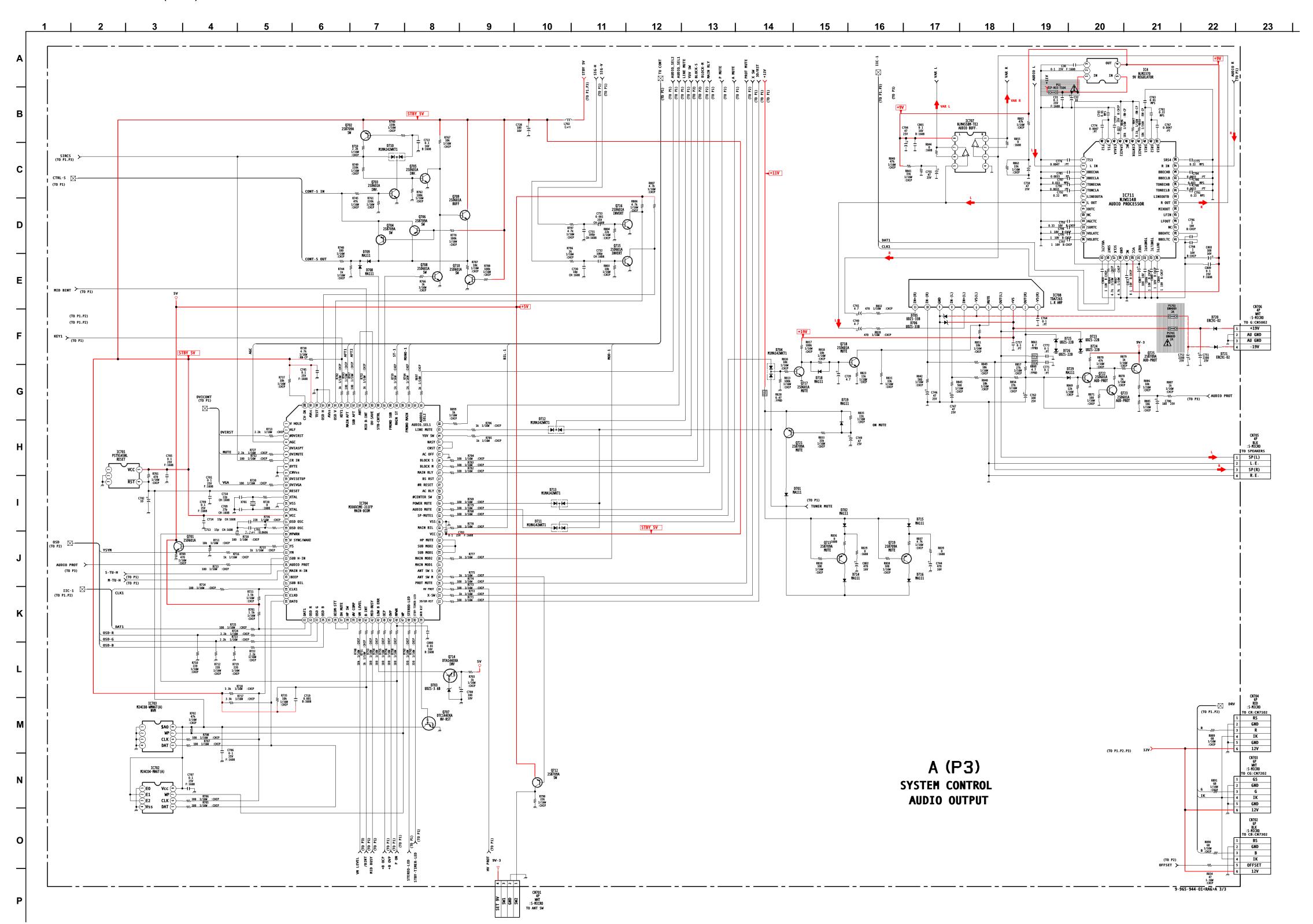


3.3 Vp-p (H)



3.5 Vp-p (H)

2.3 Vp-p (H)



A BOARD IC VOLTAGE LIST

IC	:1	21	NC	81	3.3	IC	12	IC:	302	IC:	303	11	2.5	11	4.9	9	4.9	57	5	IC	704	65	0	IC7	711
PIN	VOLT	22	NC	82	1	PIN	VOLT	PIN	VOLT	PIN	VOLT	12	2.1	12	0	10	4.9	58	3.9	PIN	VOLT	66	NC	PIN	VOLT
I	6	23	NC	83	1.6	I	6	1	NC	1	1.8	13	GND	13	2.8	11	0	59	1.7	1	NC	67	0	1	4.3
0	3.3	24	NC	84	1.7	0	5	2	NC	2	GND	14	GND	14	2.9	12	0.4	60	1.7	2	NC	68	NC	2	4.3
GND	GND	25	NC	85	1	GND	GND	3	NC	3	4.4	15	GND	15	2.6	13	0.5	61	9	3	0	69	NC	3	0.0
IC	2	26	NC	86	0	4	6	4	NC	4	4.4	16	5	16	5	14	0.4	62	2.7	4	0	70	NC	4	4.3
PIN	VOLT	27	NC	87	0	IC	C13	5	NC	5	GND	17	5	IC:	306	15	0.5	63	2.9	5	NC	71	NC	5	0.0
- 1	11	28	NC	88	1.3	PIN	VOLT	6	NC	6	NC	18	GND	PIN	VOLT	16	5	64	2.9	6	0	72	6.3	6	0.0
0	9	29	GND	89	0.5	- 1	11	7	0.4	7	4.8	19	GND	1	2.9	IC	309	IC	310	7	4.7	73	0	7	4.3
GND	GND	30	GND	90	0.9	0	5	8	5	8	2.8	20	1.7	2	2.9	PIN	VOLT	PIN	VOLT	8	GND	74	0	8	0.0
4	11	31	2.5	91	1.6	GND	GND	9	5	9	NC	21	2.6	3	2.9	1	GND	1	NC	9	GND	75	GND	9	NC
IC	3	32	2.5	92	3.3	IC	14	10	GND	10	NC	22	2.9	4	1.3	2	0	2	GND	10	NC	76	0	10	NC
PIN	VOLT	33	NC	93	3.3	PIN	VOLT	11	2.5	11	2.4	23	5	5	1	3	GND	3	GND	11	0	77	0	11	1.4
1	1.5	34	NC	94	3.3	I	3.3	12	2.2	12	NC	24	1.8	6	GND	4	3.1	4	5	12	4.9	78	0	12	8.0
2	0	35	NC	95	2	0	2.5	13	GND	13	GND	25	NC	7	NC	5	3.2	5	5	13	2.3	79	0	13	2.9
3	GND	36	NC	96	2.6	GND	GND	14	GND	14	NC	26	NC	8	NC	6	3.1	IC3	311	14	GND	80	NC	14	2.9
4	-15	37	NC	97	0		301	15	GND	15	0.4	27	NC	9	NC	7	0	PIN	VOLT	15	2.4	81	0	15	2.8
5	1.1	38	3.3	98	NC	PIN	VOLT	16	5	16	2.5	28	NC	10	1	8	3.6	1	5	16	4.9	82	0	16	4.6
6	1.1	39	GND	99	NC	1	2.3	17	GND	17	2	29	NC	11	1	9	0	2	0.4	17	0	83	0	17	0.0
7	0.3	40	GND	100	3.3	2	4.7	18	GND	18	3.1	30	NC	12	5	10	3.6	3	2.5	18	0	84	NC	18	GND
8	11.9	41	GND		C7	3	4.4	19	GND	19	NC	31	0	13	4.1	11	0	4	GND	19	0	85	0	19	NC
_	34	42	GND	PIN	VOLT	4	4.5	20	1.7	20	0	32	0	14	4.1	12	0.4	5	2.5	20	NC	86	NC	20	9.0
PIN	VOLT	43	GND	1	0.1	5	GND	21	2.6	21	0	33	0	15	3.2	13	0.4	6	0.5	21	0	87	0	21	4.3
1	11.0	44	GND	2	O CND	6	NC F	22	2.4	22	1.8	34	0	16	2.8	14	2.5	7	5	22	0	88	0	22	3.3
2	GND	45	2.5	3	GND	7	5	23	5	23	2.1	35	NC	17	3.2	15	3.8	8	5	23	0	89	0	23	3.3
3	0.0	46	3.3	4	-15	8	3 NC	24	1.6	24	2.2	36	0	18	1 NC	16	2.6		312 VOLT	24	GND	90	0	24	4.9
4	9.0	47	1.7	5	GND	9	NC	25	NC NC	25	3.6	37	NC 2.5	19	NC	17	2.6	PIN	VOLT	25	0	91	0	25	0.0
5	11.0	48	1.5	6	0	10	NC	26	NC	26	3.6	38	2.5	20	2.9	18	1.1	1	5	26	NC	92	0	26	3.3
)5 VOLT	49	GND	7	0.2	11	2.4	27	NC NC	27	3.6	39	2.5	21	NC 0.4	19	5	2	0.5	27	NC	93	0	27	NC
PIN 1	VOLT 0	50 51	1.4 GND	8	12 C8	12 13	NC GND	28 29	NC NC	28 29	2.9 NC	40 41	5 5	22	0.4	20 21	3.6 0	3 4	NC GND	28 29	4.4 4.9	94 95	4.6 4.6	28 29	NC NC
2	0	52	0	PIN	VOLT	14	NC	30	NC	30	NC NC	42	GND	24	0.1 GND	22	3.1	5	GND	30	4.9	96	GND	30	NC
3	GND	53	3.3	I	6	15	0.5	31	0	31	NC NC	43	GND	25	2.6	23	GND	6	GND	31	4.4	97	4.6	31	4.3
4	-15	54	GND	0	3.3	16	NC	32	0	32	5	44	NC	26	2.6	24	NC	7	HD2	32	0	98	GND	32	NC
5	GND	55	GND	G	GND	17	0	33	0	33	3.2	45	NC	27	2.6	25	4.4	8	5	33	0	99	4.9	33	4.3
6	0	56	NC		C9	18	3.4	34	0	34	3.2	46	NC	28	5	26	4.4	IC7		34	0	100	4.6	34	0.0
7	0.1	57	5	PIN	VOLT	19	NC	35	NC	35	3.2	47	NC	29	NC	27	0.7	PIN	VOLT	35	NC		707	35	4.3
8	12	58	GND	1	15	20	0.5	36	0	36	3.2	48	SDA	30	4.4	28	0.2	1	NC	36	0	PIN	VOLT	36	4.3
	6	59	4.5	0	12	21	0	37	NC	37	3.6	49	NC	31	4.4	29	5	2	GND	37	4.6	1	4.8	37	4.3
PIN	VOLT	60	4.5	GND	GND	22	2.1	38	2.6	38	3.2	50	SCL	32	GND	30	5.7	3	GND	38	0	2	4.5	38	0.0
1	GND	61	NC		10	23	2.2	39	2.6	39	3.3	51	NC	33	2.9	31	1.3	4	5	39	0	3	4.5	39	4.3
2	GND	62	NC	PIN	VOLT	24	2.2	40	5	40	1.7	52	NC	34	2.9	32	3.1	5	5	40	0	4	GND	40	4.3
3	GND	63	NC	1	0.1	25	3.5	41	5	41	1.8	53	NC	35	2.9	33	1.6		702	41	2.3	5	4.6	41	0.0
4	NC	64	3.3	2	0	26	3.5	42	GND	42	2.6	54	NC	36	1	34	0	PIN	VOLT	42	0	6	4.5	42	4.3
5	NC	65	NC	3	0	27	3.5	43	GND	43	GND	55	NC	37	1	35	0.3	1	GND	43	4.6	7	4.8	43	4.3
6	NC	66	NC	4	-15	28	NC	44	NC	44	2.5	56	NC	38	NC	36	GND	2	5	44	2.8	8	9	44	NC
7	NC	67	NC	5	0.1	29	NC	45	NC	45	3.2	57	NC	39	NC	37	2.7	3	5	45	0.1	IC	708	45	4.3
8	NC	68	NC	6	0	30	NC	46	NC	46	2.8	58	NC	40	5	38	3.3	4	GND	46	0	PIN	VOLT	46	4.3
9	NC	69	NC	7	1	31	NC	47	NC	47	5	59	NC	41	2.9	39	0.7	5	4.4	47	4.6	1	-19	47	4.3
10	NC	70	NC	8	12	32	5	48	4.4	48	3.2	60	NC	42	2.8	40	3	6	4.4	48	5	2	0	48	4.3
11	NC	71	NC	IC	11	33	NC	49	NC	IC:	304	61	NC	43	2.1	41	GND	7	5	49	5	3	22.1	All volta	ages are in V.
12	NC	72	NC	1	1.2	34	NC	50	4.3	PIN	VOLT	62	NC	44	1	42	0	8	5	50	0	4	0		
13	NC	73	NC	2	0.1	35	NC	51	NC	1	NC	63	NC	45	1	43	2.5	IC7	703	51	5	5	11.6		
14	NC	74	NC	3	0.3	36	2.7	52	NC	2	NC	64	NC	46	NC	44	GND	PIN	VOLT	52	0	6	-19		
15	NC	75	NC	4	-15	37	NC	53	NC	3	NC	IC:	305	47	NC	45	2.1	1	GND	53	2.8	7	0		
16	NC	76	4.1	5	0.2	38	NC	54	NC	4	NC	PIN	VOLT	48	GND	46	NC	2	GND	54	0	8	0		
17	NC	77	GND	6	0	39	NC	55	GND	5	NC	1	2.4		307	47	3.9	3	GND	55	0	9	0		
18	NC	78	GND	7	2	40	1.7	56	GND	6	NC	2	0	PIN	VOLT	48	4.4	4	GND	56	NC	10	0		
19	NC	79	GND	8	12	41	1.8	57	GND	7	0.4	3	2.8	1	0.5	49	5.4	5	4.4	57	NC	11	0		
20	NC	80	GND			42	2.6	58	GND	8	5	4	2.9	2	0.5	50	NC	6	4.4	58	0				
						43	GND	59	GND	9	5	5	0	3	0.5	51	NC	7	5	59	0	ļ			
						44	2.5	60	GND	10	GND	6	GND	4	0.5	52	0	8	5	60	0	ļ			
						45	3.2	61	NC			7	GND	5	0.5	53	3.5			61	0	ļ			
						46	3	62	NC			8	GND	6	GND	54	0.5			62	4.9	Į			
						47	4.9	63	NC			9	4.9	7	GND	55	9.1			63	4.9	ļ			
						48	3.2	64	NC			10	4.9	8	GND	56	3.1			64	GND	J			

A BOARD TRANSISTOR LIST

	В	С	E		В	С	E
Q1	1.9	GND	2.5	Q334	2.2	GND	2.8
Q2	2.2	2.9	GND	Q335	0	9.1	0
Q3	0.1	0	GND	Q336	0	9.1	0
Q4	4.8	0.6	5	Q337	2.4	5	2.2
Q5	6.2	8.9	5.5	Q338	2.4	5	2.2
Q6	3.4	4.8	3.7	Q339	2.5	5	1.9
Q7	5.3	0.9	5	Q340	0	9.1	0
Q8	2.4	3	GND	Q342	0	0	GND
Q11	0	10.4	GND	Q343	2.9	GND	3.6
Q12	1.7	GND	2.4	Q344	3.2	GND	3.8
Q13	1.6	GND	2.3	Q345	2.9	GND	3.5
Q14	4.7	9	0	Q346	0	0	GND
Q15	2.9	GND	3.5	Q347	2.9	GND	3.7
Q16	2.8	GND	3.5	Q348	2.7	GND	3.3
Q17	2.9	8.9	2.3	Q350	0	0	GND
Q18	3	8.9	2.3	Q351	2.7	GND	3.5
Q19	3.7	8.9	3.1	Q353	9.3	0	3.9
Q20	3.7	8.9	3.1	Q354	8.5	3.7	9.2
Q21	5	8.0	5	Q355	2.2	9.1	3.9
Q22	0	4.1	GND	Q356	4.4	GND	4
Q23	2.3	6.6	1.7	Q357	8.5	3.4	9.2
Q24	2.3	6	1.8	Q358	1.1	GND	1.7
Q25	6.6	8.9	5.9	Q361	0	9.1	0
Q26	6	8.9	5.3	Q363	0	9.1	0
Q27	4.8	9	4.2	Q367	2.4	GND	3.3
Q28	10.4	0	10.2	Q368	0	9.1	0
Q30	0	0	GND	Q369	0	0	GND
Q301	0	5	1.2	Q373	5.7	9.1	5
Q304	0.4	0.5	GND	Q374	0	2.6	GND
Q306	0.2	2.5	GND	Q378	0.7	0.1	GND
Q307	0.2	2.5	GND	Q379	9.1	0.7	9.1
Q308	2.6	GND	6.6	Q380	0	9.1	0
Q309	2.9	9.1	8.1	Q381	0	9.1	0
Q310	3.7	9.1	3.1	Q501	2.1	2.7	GND
Q311	3.9	9.1	3.3	Q502	0.8	1.4	GND
Q312	1.6	GND	2.3	Q701	0	5	0
Q313	7.9	8.8	GND	Q702	4.4	4	5 CND
Q314	0	8.9	0	Q703	0	4.2	GND
Q315	0	9	0	Q704	4.9	0	O CND
Q316 Q317	4.4 4.4	9.1 9.1	3.8	Q705	0.6 4.3	0.1	GND 0
Q317 Q318			3.8	Q706 Q707		<u>0</u> 5	GND
Q319	4.4 0	9.1	0		0		GND
Q319 Q320	2.3	9.1 5	1.7	Q708 Q709	0.1	0.1 5	0
Q321	4.4	9.1	3.8	Q710	0.6	0	GND
Q321	4.4	9.1	3.8	Q710	4.9	0	5
Q323	4.4	9.1	3.8	Q712	10.3	0	10.3
Q324	0.5	0.4	GND	Q714	0	0	4.9
Q325	2.2	GND	0	Q715	0	4.7	GND
Q326	2.2	GND	0	Q716	0	5	GND
Q327	2.2	GND	0	Q717	0.3	13.1	GND
Q328	1.8	GND	2.5	Q717	12.3	11.6	11.6
Q329	2.1	GND	2.8	Q719	10.3	0	10.3
Q330	2.2	GND	2.8	Q713	10.3	0	10.4
Q331	8.5	3.6	9.2	Q722	0	9	GND
Q332	2.1	GND	2.8	Q723	0	9	0
Q333	2.1	GND	2.6	Q725	8.9	0	9
4000		OND	2.0	_ \(\delta \)	0.9	U	9

All voltages are in V.

TRANSISTOR

F-8

H-12

F-8

F-9

B-9

B-9

B-10

B-10

B-11

Q703

Q712

Q715

Q716

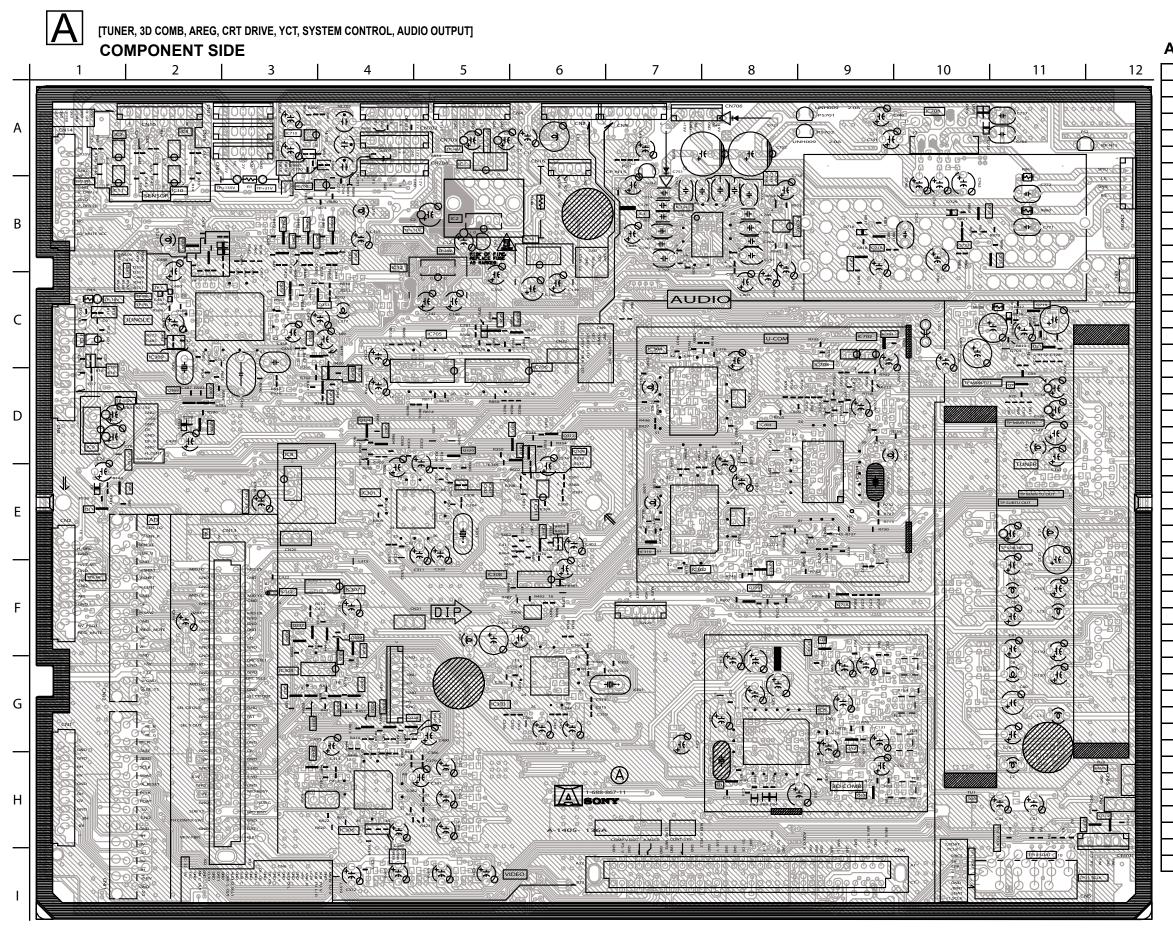
Q717

Q718

Q722

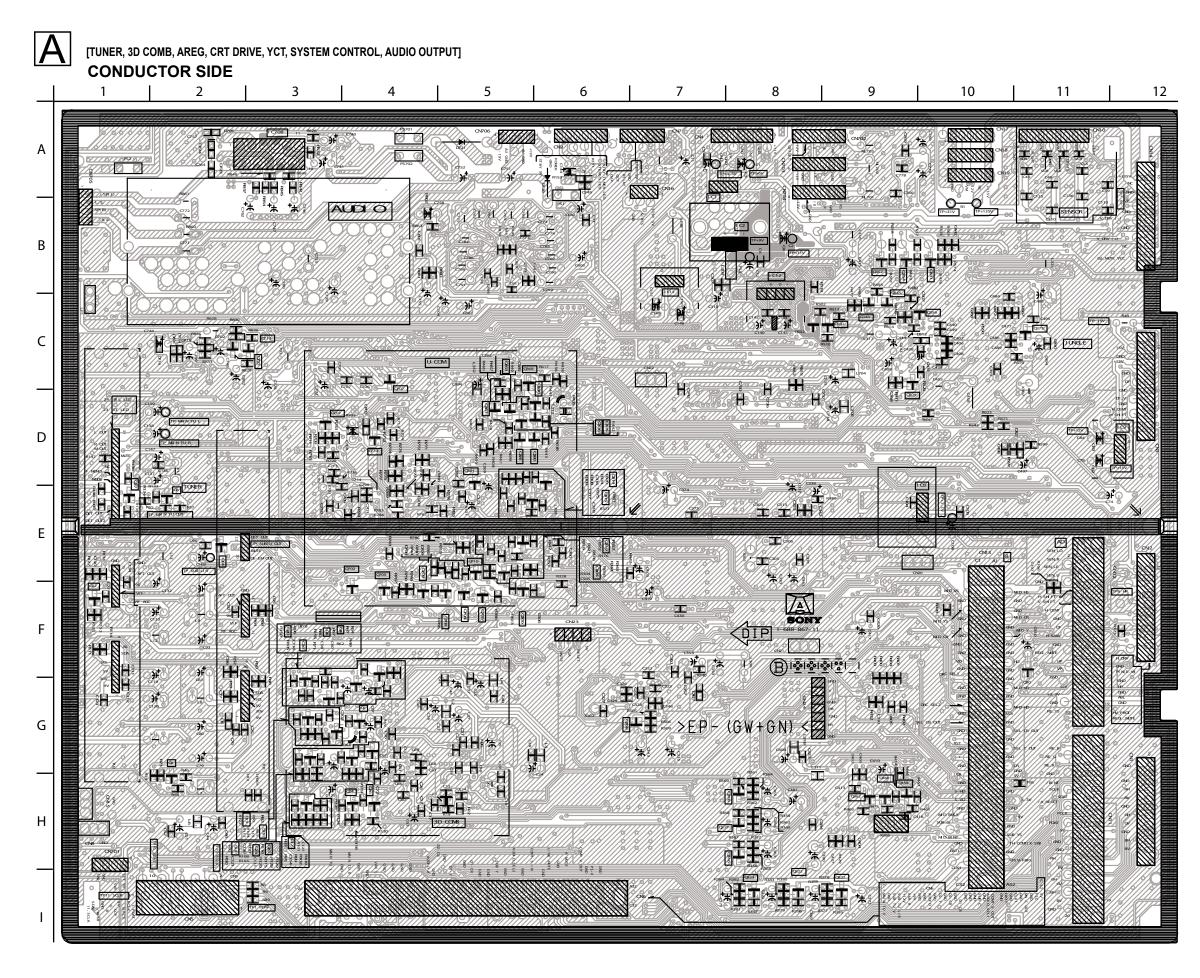
Q723

Q725



A BOARD LOCATOR LIST

A BOARD LOCATOR LIST										
DIC	DE	TRANS	SISTOR							
D1	E-1	Q1	H-8							
D317	C-2	Q3	F-9							
D318	C-2	Q7	D-11							
D319	D-2	Q11	E-1							
D701	C-11	Q12	G-9							
D704	C-11	Q13	H-9							
D705	A-10	Q21	C-11							
D710	F-9	Q302	F-7							
D711	E-8	Q303	F-7							
D712	E-8	Q305	F-6							
D713	D-8	Q307	D-4							
D718	B-9	Q308	B-6							
D725	A-10	Q310	D-5							
D726	A-10	Q311	D-5							
D729	B-10	Q312	D-6							
I	С	Q313	D-4							
IC1	A-5	Q320	D-5							
IC2	B-5	Q324	D-4							
IC3	C-1	Q325	F-4							
IC4	G-9	Q326	F-4							
IC5	A-2	Q327	G-3							
IC6	G-9	Q328	F-4							
IC7	A-2	Q329	F-4							
IC8	D-3	Q330	G-3							
IC9	D-1	Q332	G-4							
IC10	B-2	Q333	G-4							
IC11	B-1	Q334	G-4							
IC12	B-4	Q337	F-3							
IC13	B-6	Q338	G-4							
IC301	E-4	Q339	G-4							
IC302	F-7	Q341	E-6							
IC303	G-5	Q342	B-3							
IC304	C-7	Q343	B-3							
IC305	G-3	Q344	G-3							
IC306	H-4	Q346	B-3							
IC307	F-4	Q347	B-3							
IC308	F-5	Q349	D-4							
IC309	C-2	Q350	B-4							
IC310	E-7	Q351	B-4							
IC311	E-6	Q352	C-3							
IC312	F-3	Q353	C-4							
IC701	C-9	Q355	C-3							
IC702	C-9	Q367	C-1							
IC703	C-9	Q369	D-2							
IC704	D-8	Q374	B-2							
IC707	B-8	Q378	D-2							
IC708	A-10	Q379	D-2							
IC711	B-8]								
		-								

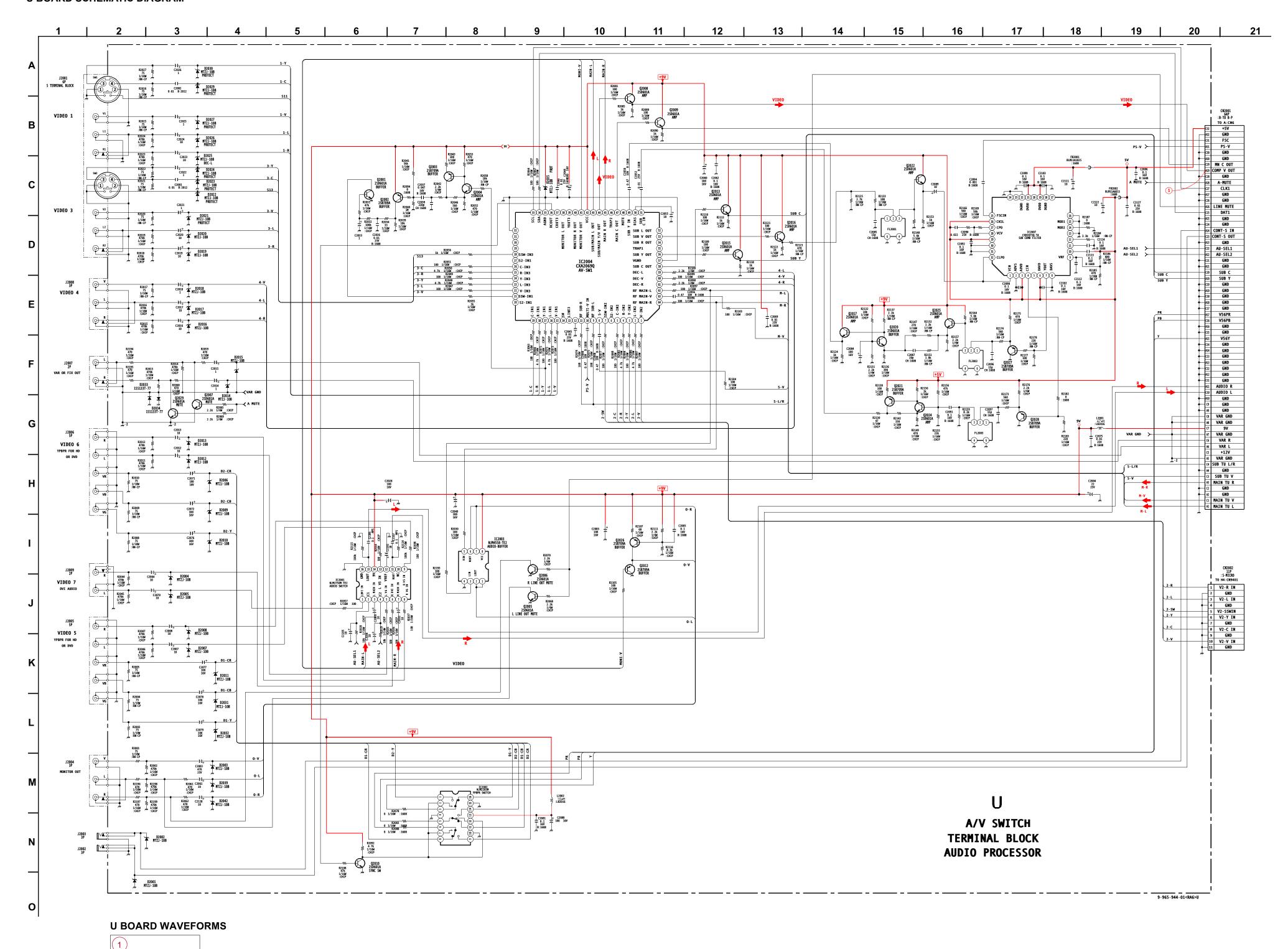


A BOARD LOCATOR LIST

DIC	DE	TRANSISTOR					
D5	G-2	Q314	E-5				
D7	A-6	Q315	E-5				
D307	G-7	Q316	H-7				
D312	C-9	Q317	H-7				
D321	D-10	Q318	H-7				
D702	C-2	Q319	E-6				
D703	D-4	Q321	I-9				
D706	A-2	Q322	I-9				
D708	E-4	Q323	I-8				
D709	E-4	Q331	B-9				
D719	C-2	Q335	D-5				
D720	B-6	Q336	D-5				
D721	A-5	Q340	C-5				
D723	A-2	Q345	B-9				
D724	A-2	Q348	C-9				
TRANS	SISTOR	Q354	B-9				
Q2	G-2	Q356	B-10				
Q4	F-3	Q357	B-9				
Q5	G-4	Q358	G-6				
Q6	F-3	Q361	C-5				
Q8	E-2	Q363	C-5				
Q14	E-2	Q368	C-5				
Q15	F-3	Q373	C-11				
Q16	F-3	Q380	D-5				
Q17	H-3	Q381	D-5				
Q18	F-3	Q501	C-9				
Q19	F-3	Q502	C-8				
Q20	F-3	Q701	D-3				
Q22	F-1	Q702	E-3				
Q23	G-4	Q704	F-5				
Q24	H-4	Q705	F-5				
Q25	G-4	Q706	F-5				
Q26	H-4	Q707	C-4				
Q27	D-11	Q708	F-4				
Q28	G-4	Q709	E-4				
Q30	F-11	Q710	E-5				
Q301	D-5	Q713	C-3				
Q304	E-6	Q714	D-4				
Q306	F-5	Q721	C-3				
Q309	C-9]					

U BOARD SCHEMATIC DIAGRAM

2.2Vp-p (H)

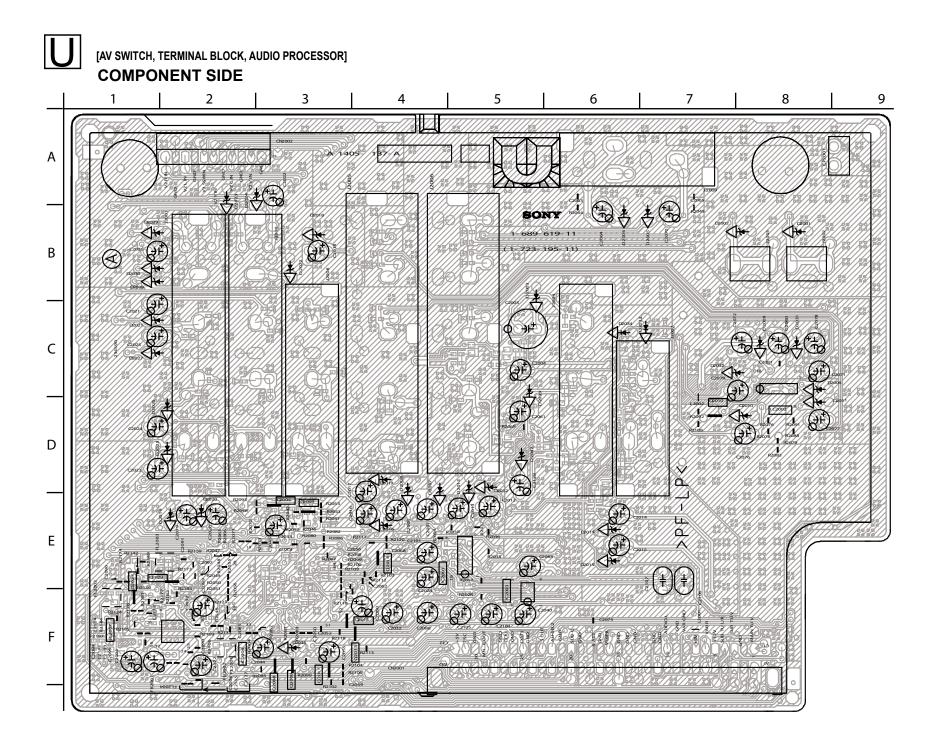


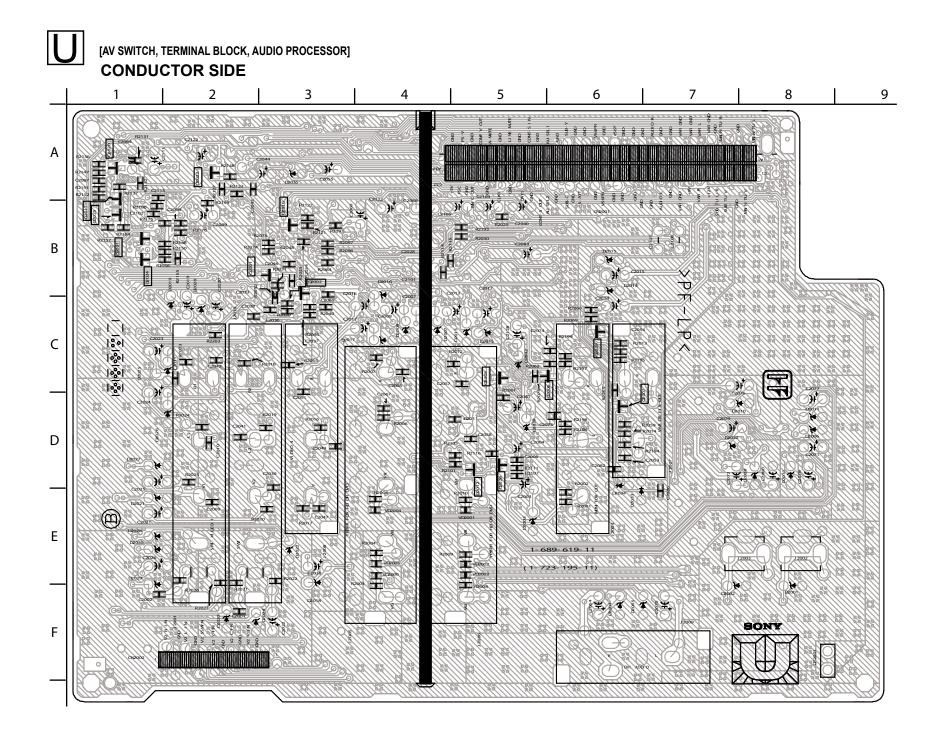
U BOARD IC VOLTAGE LIST

IC2	2001	IC2	2004	45	4.5	19	5.0
PIN	VOLT	PIN	VOLT	46	NC	20	NC
1	4.5	1	3.9	47	4.4	21	5.0
2	0.0	2	4.4	48	NC	22	GND
3	4.5	3	3.9	49	5.3	23	NC
4	0.0	4	4.4	50	4.5	24	GND
5	4.5	5	0.5	51	4.4	25	2.5
6	4.5	6	NC	52	4.5	26	5.0
7	4.5	7	4.9	53	4.9	27	2.2
8	4.5	8	4.5	54	4.5	28	2.2
9	9.0	9	4.4	55	NC	29	5.0
10	4.5	10	4.3	56	4.5	30	GND
11	4.5	11	4.4	57	GND	31	GND
12	4.5	12	4.4	58	4.3	32	1.8
13	4.5	13	NC	59	4.4		ges are in
14	4.5	14	NC	60	3.9	7 til Volto	igos are iri
15	4.5	15	3.9	61	4.4		
16	GND	16	4.4	62	4.4		
	2002	17	3.9	63	4.3		
PIN	VOLT	18	4.4	64	4.5		
1	4.6	19	4.4		007		
2	5.0	20	NC	PIN	VOLT		
3	3.1	21	4.9	1	1.8		
4	GND	22	3.9	2	GND		
5	3.1	23	3.9	3	5.0		
6	3.1	24	4.4	4	1.1		
7	5.0	25	3.9	5	NC		
8	4.6	26	4.4	6	5.0		
9	4.6	27	NC	7	1.3		
10	GND	28	0.1	8	GND		
11	4.6	29	NC	9	2.0		
12	5.0	30	NC	10	2.7		
13	9.0	31	NC	11	1.0		
14	4.6	32	GND	12	2.0		
15	GND	33	4.4	13	GND		
16	4.6	34	4.4	14	0.0		
	2003	35	GND	15	GND		
PIN	VOLT	36	0.0	16	GND		
1	4.5	37	NC	17	NC		
2	4.5	38	4.5	18	GND		
3	4.4	39	NC	10	OND		
4	GND	40	4.5				
5	4.4	41	4.4				
6	4.4	42	9.0				
7	4.5	43	4.4				
8							
Ø	9.0	44	4.3	I			

U BOARD TRANSISTOR LIST

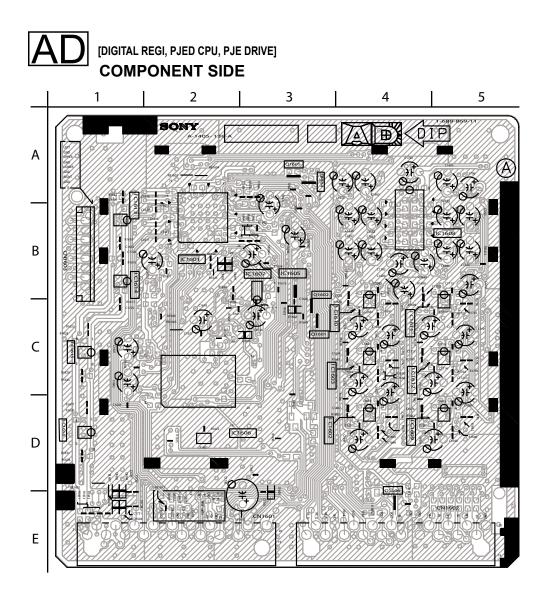
	В	С	Е
Q2001	0.1	4.9	GND
Q2002	8.4	0.1	9.0
Q2003	7.8	5.6	8.5
Q2004	3.8	7.8	3.2
Q2005	0.3	0.0	GND
Q2006	0.3	0.0	GND
Q2007	0.4	0.0	0.0
Q2008	4.3	9.0	3.7
Q2009	4.4	9.0	3.7
Q2010	0.0	5.0	GND
Q2012	4.5	GND	5.1
Q2013	4.3	9.0	3.7
Q2015	4.5	9.0	3.9
Q2016	4.7	9.0	8.7
Q2017	5.0	9.0	4.4
Q2020	1.6	5.0	1.0
Q2021	4.2	1.3	4.8
Q2022	3.3	9.0	2.7
Q2024	1.5	4.2	0.9
Q2025	2.6	9.0	2.0
Q2026	7.2	5.1	7.9
Q2027	1.3	GND	2.0
Q2028	1.1	GND	1.7
Q2029	0.4	0.0	GND
		All volta	ages are in V

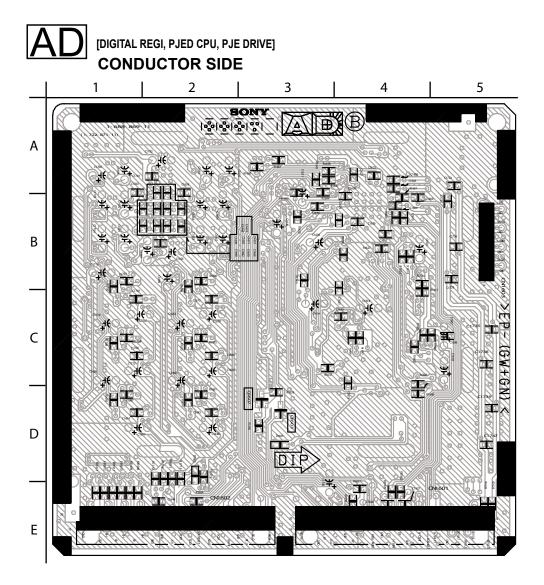




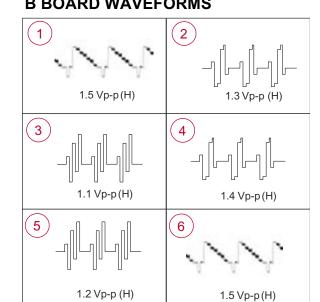
AD BOARD WAVEFORMS

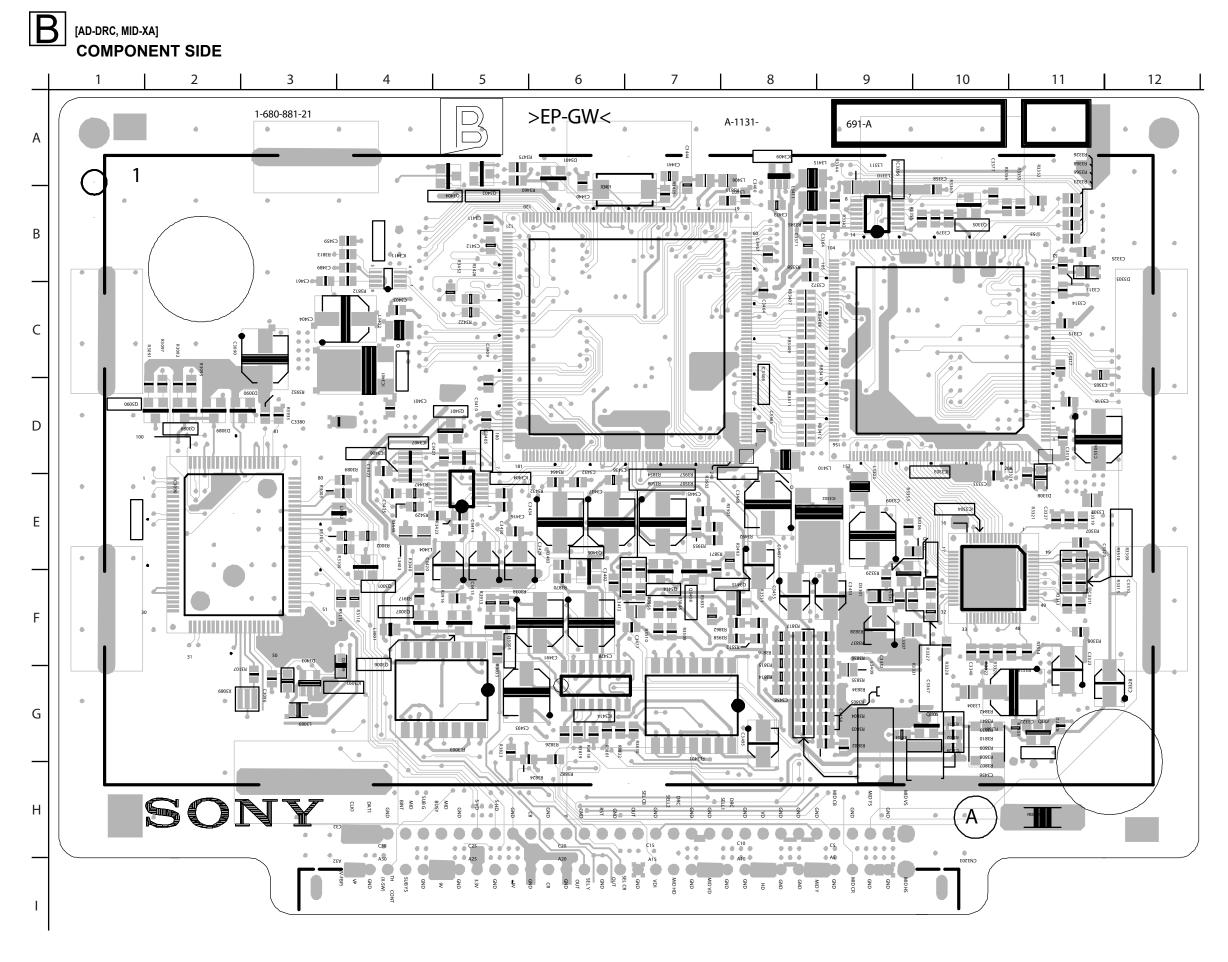
AD BOAND WAVE	OKWIS	
2.1 Vp-p (V)	2.3 Vp-p (V)	2.1 Vp-p (V)
2.5 Vp-p (V)	2.0 Vp-p (V)	2.3 Vp-p (V)

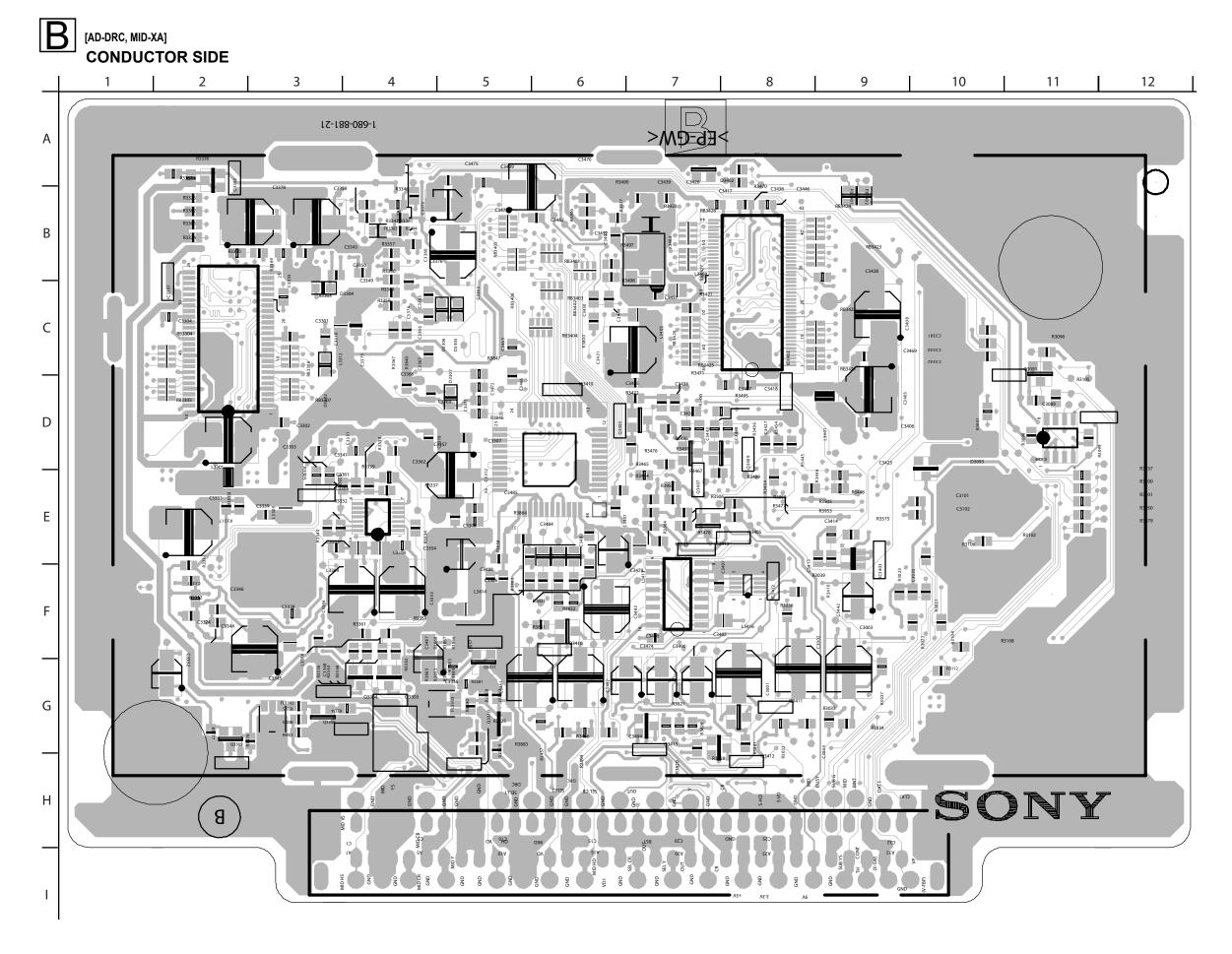




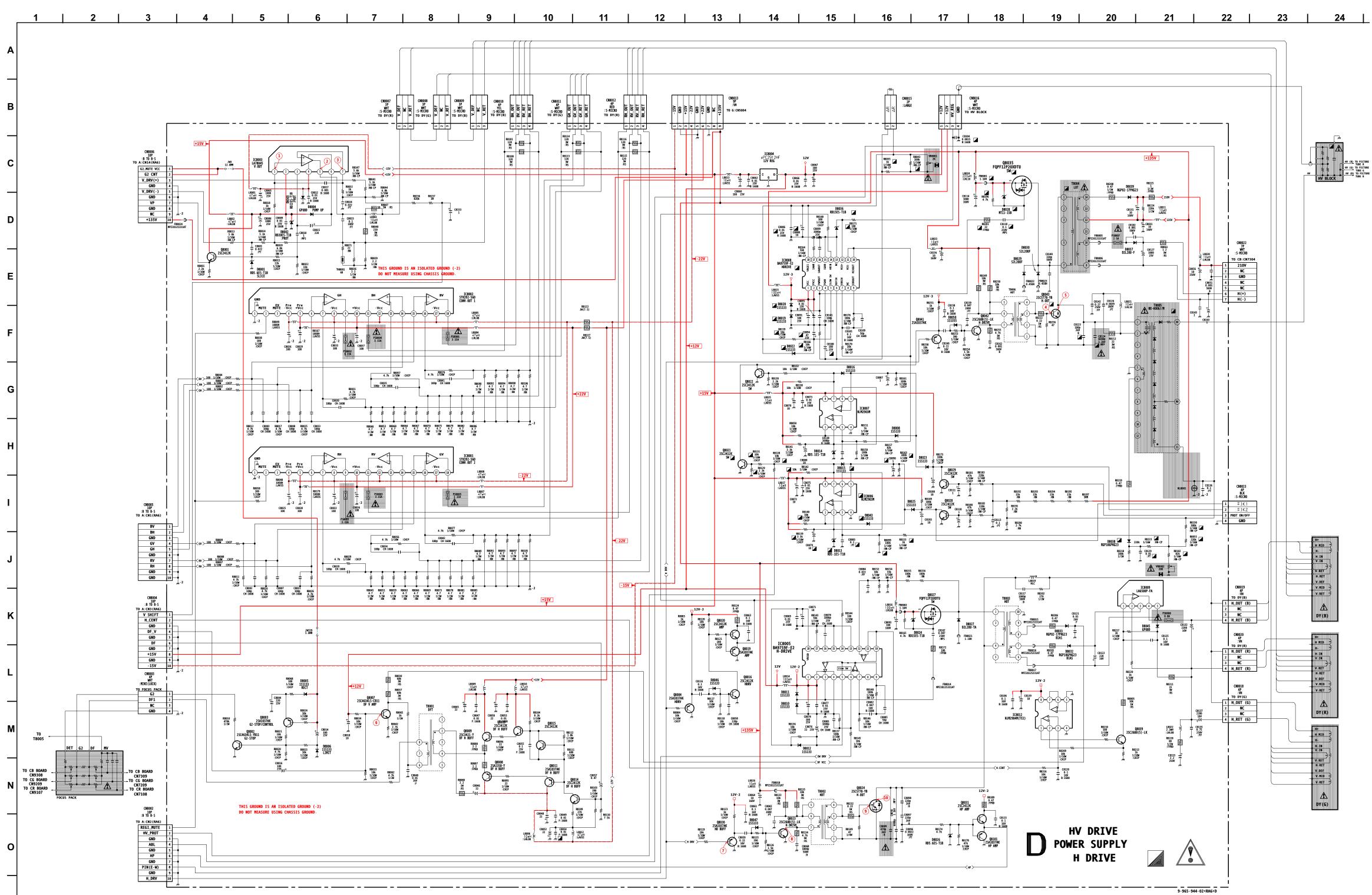
B BOARD WAVEFORMS







D BOARD SCHEMATIC DIAGRAM



D BOARD WAVEFORMS

1	2
500 mVp-p (V)	53.2 Vp-p (V)
3	4
500 mVp-p (V)	14.7 Vp-p (H)
5	6
//	
940 Vp-p (H)	6.5 Vp-p (V)
7	8
ПП	
3.5 Vp-p (H)	104 Vp-p (H)
9	10
7.6 Vp-p (H)	1030 Vp-p (H)

D BOARD IC VOLTAGE LIST

1 GND 16 0 17 2.6 12 7.4 2 4.3 17 -22 18 9.1 13 GND 3 N/C 18 0.1 IC8006 14 7.1 4 -22.0 IC8003 PIN VOLT 15 GND 5 22.0 PIN VOLT 1 0.1 16 3.2 6 -0.3 1 1.3 2 5.0 17 2.6 7 -0.3 2 15.0 3 4.5 18 9.1 8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.								
1 GND 16 0 17 2.6 12 7.4 2 4.3 17 -22 18 9.1 13 GND 3 N/C 18 0.1 IC8006 14 7.1 4 -22.0 IC803 PIN VOLT 15 GND 5 22.0 PIN VOLT 1 0.1 16 3.2 6 -0.3 1 1.3 2 5.0 17 2.6 7 -0.3 2 15.0 3 4.5 18 9.1 8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.	IC8	8001	14	0.3	15	GND	10	7.4
2 4.3 17 -22 18 9.1 13 GND 3 N/C 18 0.1 IC8006 14 7.1 4 -22.0 IC8003 PIN VOLT 15 GND 5 22.0 PIN VOLT 1 0.1 16 3.2 6 -0.3 1 1.3 2 5.0 17 2.6 7 -0.3 2 15.0 3 4.5 18 9.1 8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 1 97.8 14 0.0 PIN <	PIN	VOLT	15	0	16	3.2	11	7.4
N/C 18	1	GND	16	0	17	2.6	12	7.4
1	2	4.3	17	-22	18	9.1	13	GND
5 22.0 PIN VOLT 1 0.1 16 3.2 6 -0.3 1 1.3 2 5.0 17 2.6 7 -0.3 2 15.0 3 4.5 18 9.1 8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 1 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 17 -22.0 G	3	N/C	18	0.1	IC8	3006	14	7.1
6 -0.3 1 1.3 2 5.0 17 2.6 7 -0.3 2 15.0 3 4.5 18 9.1 8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10.1 10	4	-22.0	IC8	003	PIN	VOLT	15	GND
7 -0.3 2 15.0 3 4.5 18 9.1 8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 16 0.0 O 12.0 2 5.0 PIN VOLT 17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4	5	22.0	PIN	VOLT	1	0.1	16	3.2
8 -22.0 3 -13.1 4 GND IC8009 9 -0.5 4 -15.0 5 0.0 PIN VOLT 10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 16 0.0 O 12.0 2 5.0 PIN VOLT 17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4 GND O 5.0 IC8002 PIN VOLT 5 0.0 </td <td>6</td> <td>-0.3</td> <td>1</td> <td>1.3</td> <td>2</td> <td>5.0</td> <td>17</td> <td>2.6</td>	6	-0.3	1	1.3	2	5.0	17	2.6
9	7	-0.3	2	15.0	3	4.5	18	9.1
10 22.0 5 0.4 6 5.0 1 98.2 11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 16 0.0 O 12.0 2 5.0 PIN VOLT 17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4 GND O 5.0 IC8002 PIN VOLT 5 0.0 G GND 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8	8	-22.0	3	-13.1	4	GND	IC	3009
11 0.1 6 15.0 7 0.1 2 98.2 12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 1 10.1 IC8010 16 0.0 O 12.0 2 5.0 PIN VOLT 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 8.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 7.0 1 <td>9</td> <td>-0.5</td> <td>4</td> <td>-15.0</td> <td>5</td> <td>0.0</td> <td>PIN</td> <td>VOLT</td>	9	-0.5	4	-15.0	5	0.0	PIN	VOLT
12 -22.0 7 1.3 8 15.0 3 94.0 13 0.0 IC8004 IC8007 4 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 16 0.0 O 12.0 2 5.0 PIN VOLT 17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4 GND O 5.0 IC8002 PIN VOLT 5 0.0 G GND PIN VOLT 5 0.0 G GND 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1	10	22.0	5	0.4	6	5.0	1	98.2
13 0.0 IC8004 IC8007 4 97.8 14 0.0 PIN VOLT PIN VOLT 5 101.1 15 0.0 I 15.0 1 0.1 IC8010 16 0.0 O 12.0 2 5.0 PIN VOLT 17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4 GND O 5.0 IC8002 PIN VOLT 5 0.0 G GND PIN VOLT 1 12.0 6 5.0 IC8012 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3	11	0.1	6	15.0	7	0.1	2	98.2
14	12	-22.0	7	1.3	8	15.0	3	94.0
15	13	0.0	IC8	004	IC8007		4	97.8
16 0.0 O 12.0 2 5.0 PIN VOLT 17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4 GND O 5.0 IC8002 PIN VOLT 5 0.0 G GND PIN VOLT 1 12.0 6 5.0 IC8012 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3	14	0.0	PIN	VOLT	PIN	VOLT	5	101.1
17 -22.0 G GND 3 4.0 I 7.0 18 0.1 IC8005 4 GND O 5.0 IC8002 PIN VOLT 5 0.0 G GND PIN VOLT 1 12.0 6 5.0 IC8012 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4	15	0.0	ı	15.0	1	0.1	IC8010	
IC8002 PIN VOLT 5 0.0 G GND PIN VOLT 1 12.0 6 5.0 IC8012 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6	16	0.0	0	12.0		5.0	PIN	VOLT
IC8002	17	-22.0	G	GND	3	4.0	_	7.0
PIN VOLT 1 12.0 6 5.0 IC8012 1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12	18	0.1	IC8	005	4	GND	0	5.0
1 GND 2 12.0 7 0.1 PIN VOLT 2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 All voltages are in V	IC8	3002	PIN	VOLT	5	0.0	G	GND
2 4.3 3 5.8 8 15.0 1 2.7 3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	PIN	VOLT	1	12.0	6	5.0	IC	012
3 N/C 4 GND IC8008 2 2.1 4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 All voltages are in V	1	GND	2	12.0	7	0.1	PIN	VOLT
4 -22.0 5 3.8 PIN VOLT 3 2.1 5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 All voltages are in V 12 -22.0 13 GND 8 N/C N/C	2	4.3	3	5.8	8	15.0	1	2.7
5 22.0 6 3.8 1 12.0 4 GND 6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	3	N/C	4	GND	IC8008		2	2.1
6 -0.1 7 3.8 2 12.0 5 GND 7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	4	-22.0	5	3.8	PIN	VOLT	3	2.1
7 -0.1 8 N/C 3 6.0 6 0.0 8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C			6	3.8	•		•	GND
8 -22.0 9 3.8 4 GND 7 0.0 9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	6	-0.1	7	3.8	2	12.0	5	GND
9 0.0 10 3.6 5 8.0 8 12.0 10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	7	-0.1	8	N/C	3	6.0	6	0.0
10 22.0 11 3.6 6 7.4 All voltages are in V 11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	8	-22.0	9	3.8	4	GND	7	0.0
11 0.5 12 3.6 7 7.4 12 -22.0 13 GND 8 N/C	9	0.0	10	3.6	5	8.0	8	12.0
12 -22.0 13 GND 8 N/C	10	22.0	11	3.6	6	7.4	All volta	ages are in V
	11	0.5	12	3.6	7	7.4		
13 0.3 14 7.1 9 3.3	12	-22.0	13	GND	8	N/C		
	13	0.3	14	7.1	9	3.3		

D BOARD TRANSISTOR LIST

	В	С	E		В	С	E
Q8001	-0.4	15.0	0.1	Q8022	0.0	8.9	GND
Q8002	0	13.0	GND	Q8023	-0.5	68.0	GND
Q8003	14.6	0.0	14.6	Q8024	0.1	242.0	GND
Q8004	3.4	GND	4.0	Q8028	0.5	0.0	GND
Q8005	3.4	GND	4.1	Q8029	0.5	0.0	GND
Q8007	5.8	204.0	5.2	Q8030	3.4	GND	4.0
Q8008	2.8	-22.0	3.3	Q8031	0.2	12.0	0.6
Q8009	4.0	22.0	3.4	Q8032	3.4	4.1	GND
Q8010	4.5	22.0	4.0	Q8036	8.9	GND	8.7
Q8011	2.3	-22.0	2.7	Q8037	8.9	14.6	8.7
Q8014	-20.0	2.3	-20.6	Q8039	2.7	76.7	2.1
Q8015	2.9	4.5	2.3	Q8041	3.4	GND	8.9
Q8016	-0.3	7.4	GND	Q8042	9.6	29.8	GND
Q8019	7.4	GND	7.2	Q8043	8.9	192.0	0.1
Q8020	7.4	12.0	7.2	Q8044	0.6	0.0	GND
Q8021	0.0	8.9	GND	Q8101	0.2	GND	0.6
			·	Q8038	8.9	192.0	0.6

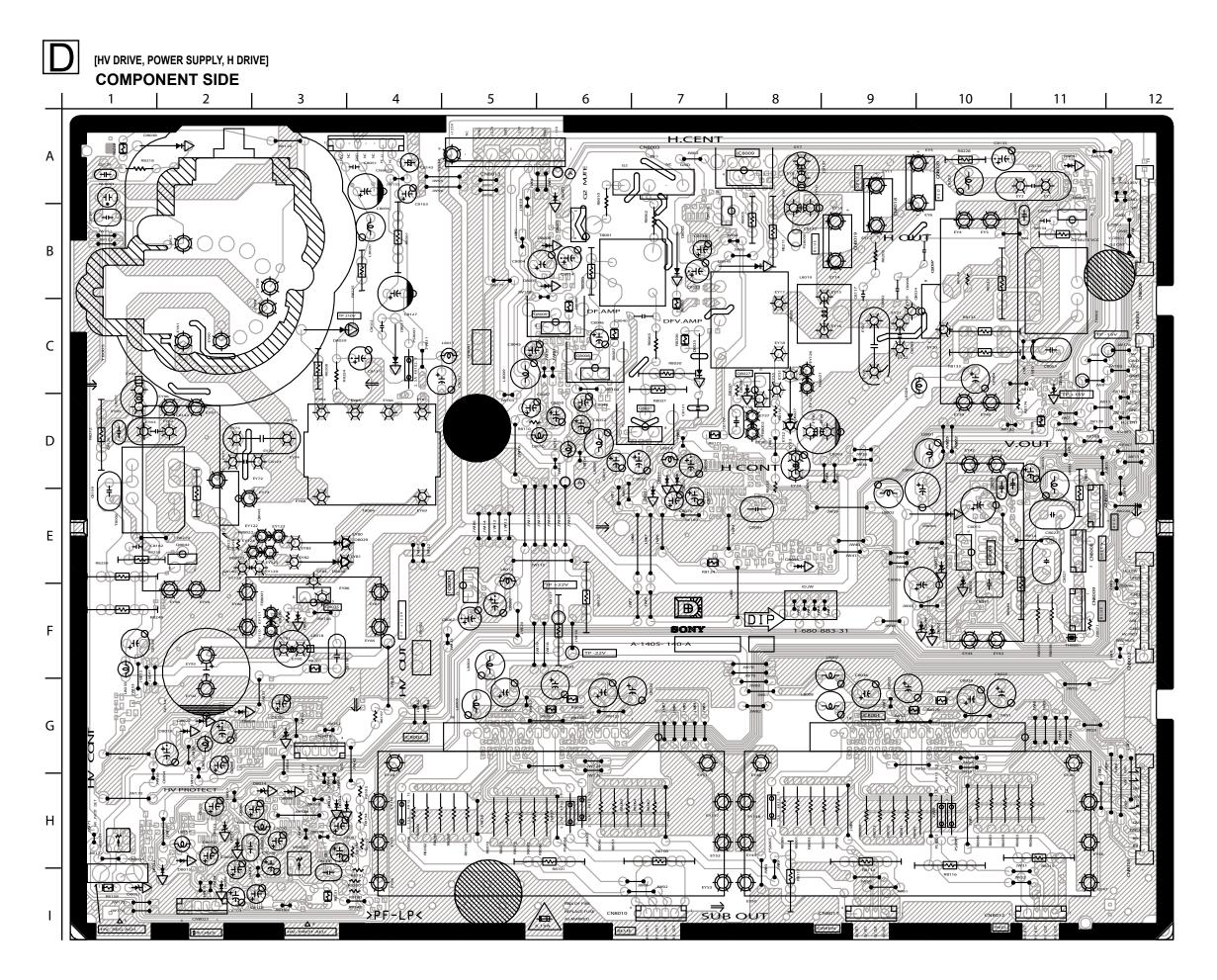
All voltages are in V.

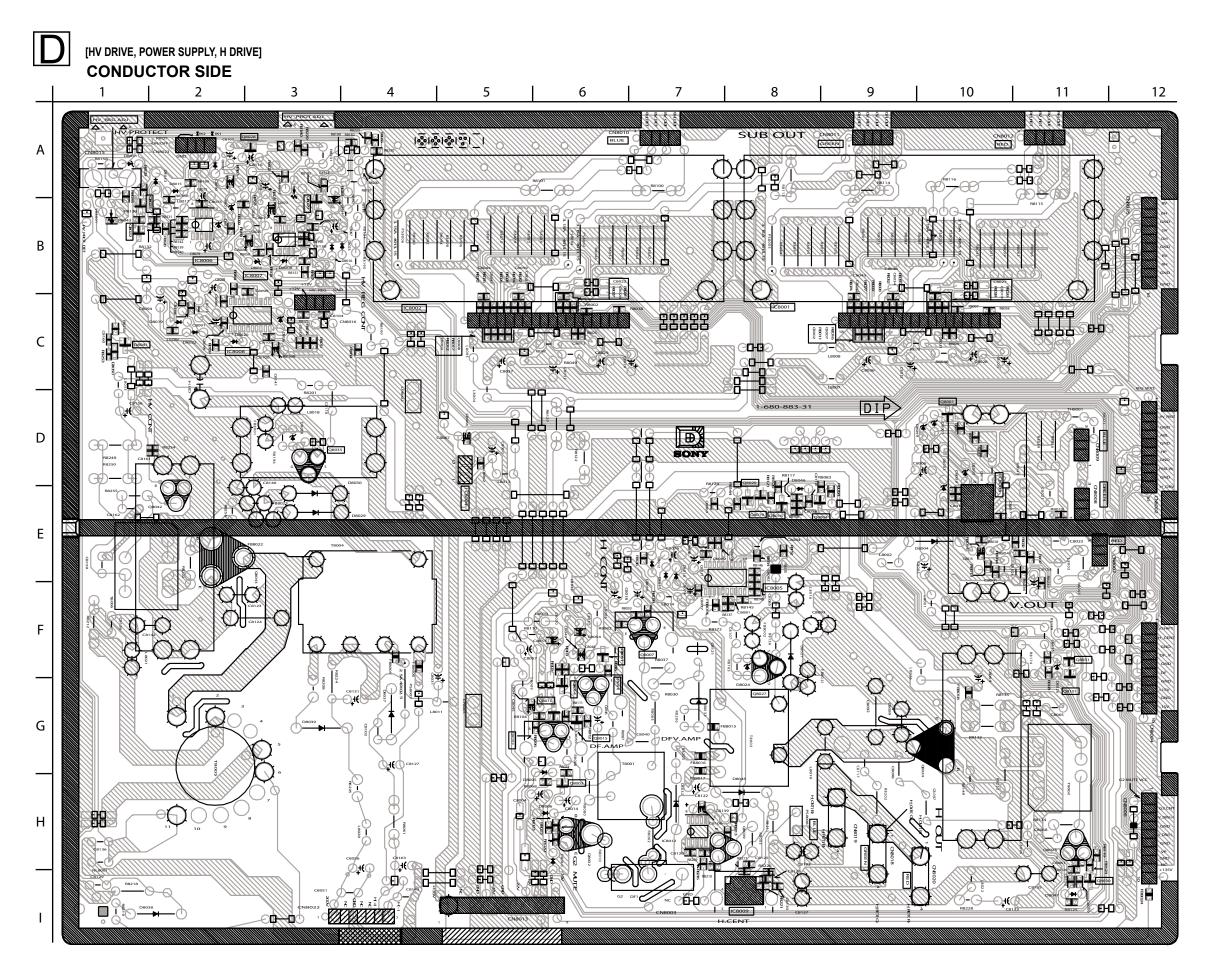
 D
 G
 S

 Q8027
 115.6
 130.9
 135.9

 Q8035
 115.6
 130.9
 135.9

All voltages are in V.

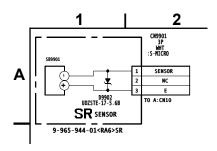


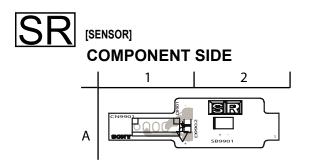


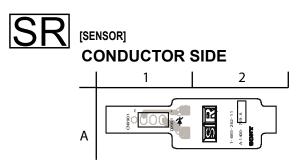
D BOARD LOCATOR LIST

DIO	DE	IC	,
D8001	D-10	IC8001	
D8002	D-10	IC8002	C-8 C-4
D8003	D-10	IC8003	E-10
D8004	E-10	IC8004	E-5
D8005	H-6	IC8005	F-8
D8006	H-6	IC8006	B-2
D8007	D-10	IC8007	B-3
D8008	B-3	IC8008	C-2
D8009	C-1	IC8009	I-8
D8010	E-11	IC8012	H-7
D8011	E-11	TRANSI	
D8012	E-11	Q8001	D-10
D8013	B-2	Q8002	H-6
D8014	B-3	Q8003	H-6
D8015	A-2	Q8004	E-9
D8016	B-3	Q8005	C-1
D8019	C-2	Q8007	F-7
D8020	C-2	Q8008	G-6
D8021	F-9	Q8009	G-5
D8022	C-2	Q8010	G-6
D8023	B-3	Q8011	F-6
D8024	G-7	Q8014	G-6
D8025	A-2	Q8015	G-6
D8026	G-11	Q8016	E-8
D8027	F-8	Q8019	E-8
D8028	D-3	Q8020	D-8
D8029	E-4	Q8021	B-1
D8030	E-4	Q8022	B-1
D8031	D-2	Q8023	H-11
D8032	H-7	Q8024	G-10
D8033	G-7	Q8027	F-8
D8034	E-2	Q8028	A-2
D8035	E-2	Q8029	B-3
D8036	C-3	Q8030	I-11
D8037	G-4	Q8031	F-11
D8038	I-2	Q8032	C-1
D8039	G-4	Q8035	D-3
D8043	B-1	Q8036	D-1
D8045	H-8	Q8037	D-1
D8046	D-8	Q8038	D-1
D8047	I-11	Q8039	H-8
		Q8101	G-11

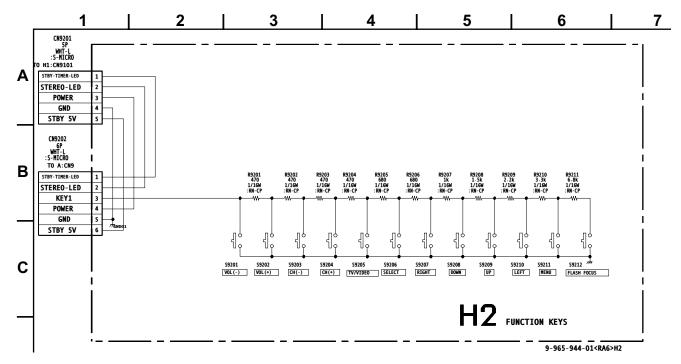
SR BOARD SCHEMATIC DIAGRAM

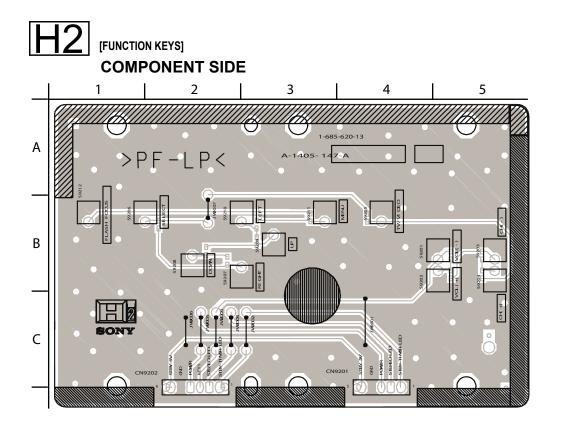


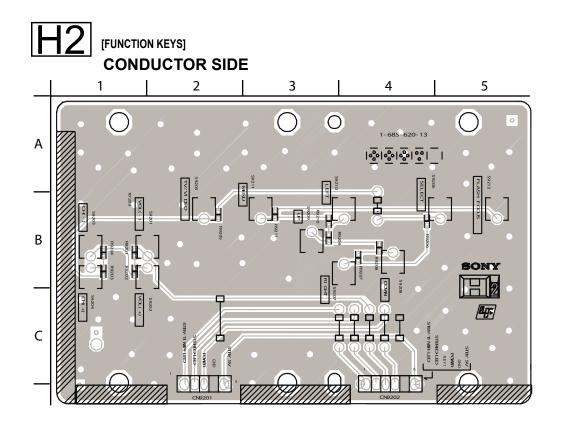




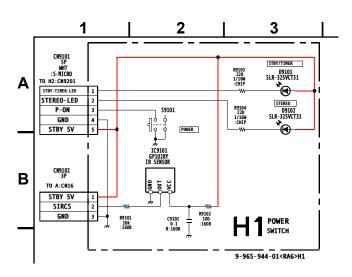
H2 BOARD SCHEMATIC DIAGRAM

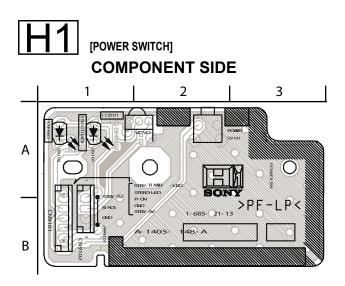


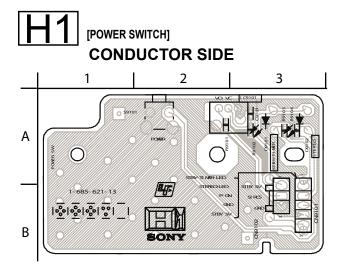




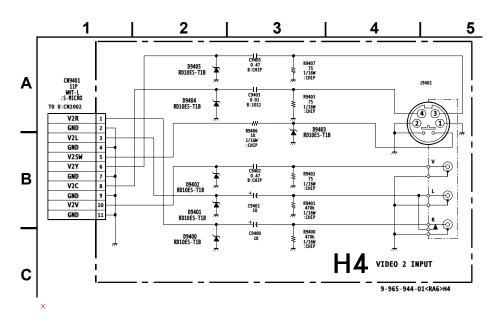
H1 BOARD SCHEMATIC DIAGRAM

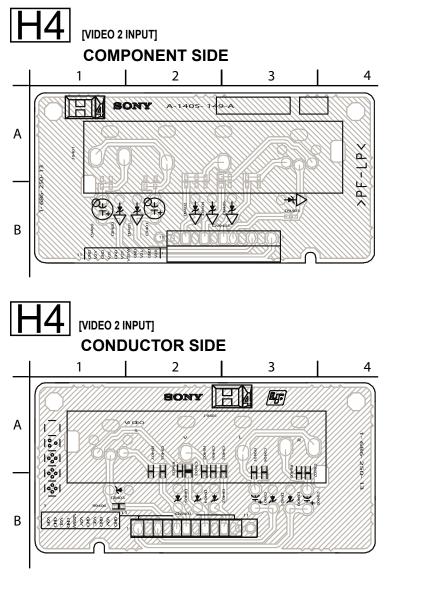






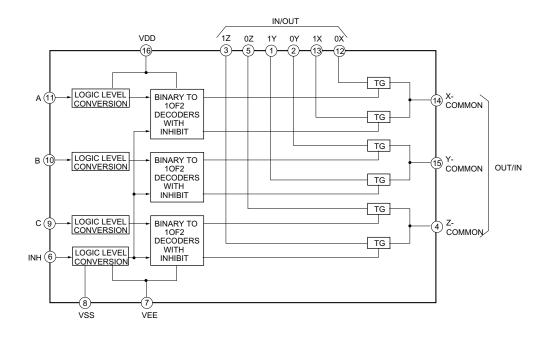
H4 BOARD SCHEMATIC DIAGRAM



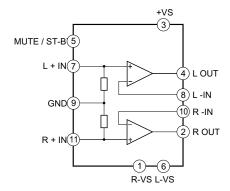


5-5. IC BLOCK DIAGRAMS

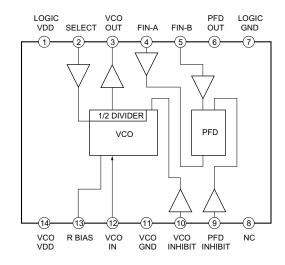
A BOARD IC305, 307 SN74LV4053ANSR



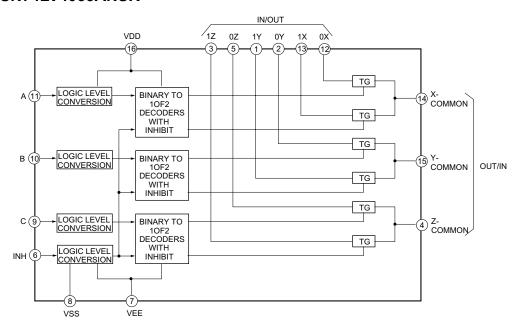
IC305, TDA7265



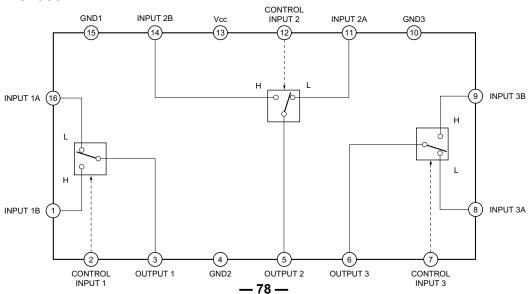
B BOARD IC3305, 3404 TLC2932IPWR



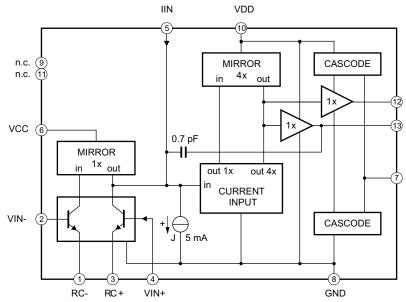
IC3413 SN74LV4053ANSR



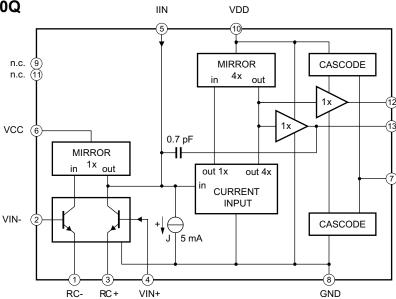
IC3414 M52055P



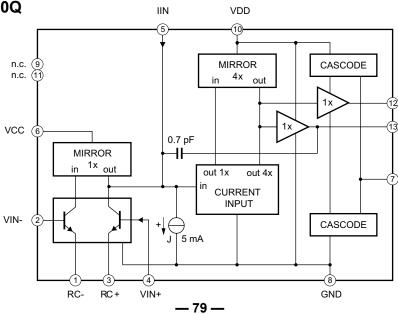
CR BOARD IC7101 TDA6120Q



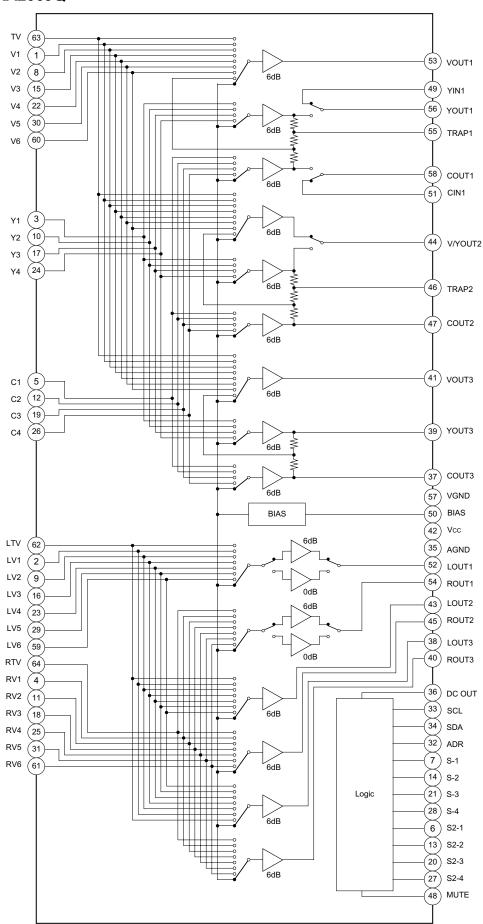
CG BOARD IC7201 TDA6120Q



CB BOARD IC7301 TDA6120Q



U BOARD IC2004 CXA2069Q



5-6. SEMICONDUCTORS

21DP05 D1NL40-TR2 D1NS4 D2L20U EL1Z GP08DPKG23 RD10ES-B2 RD15ES-B2 RD18ES-B2 RD20ES-B2 RD5.6ES-B2 RGP02-17EL-6433 UF4005PKG23



1SS133T-77 30DF4N-FC5 ERC04-06SE ERC91-02



1SS226



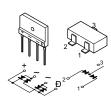
1S355TE-17 DTZ-10B DTZ-TT11-6.8B UDZS-TE-17-7.5B UDZ-TE-17-10B UDZS-TE-17-18B UDZS-TE-17-22B UDZS-TE-17-24B UDZS-TE-17-3.9B UDZS-TE-17-33B UDZS-TE-17-4.7B UDZS-TE-17-5.1B UDZS-TE-17-5.6B UDZS-TE-17-6.2B UDZS-TE-17-9.1B



D1NL20U-TR



D4SBS4-F D6SB60L



DAN202K-T-146



DAN202U



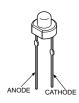
DAP202K



MTZJ-T-77-13 MTZJ-T-77-22B



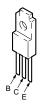
SLR-325VCT31



BA033T NJM7812FA TA7812S



BA05T



BA9759F-E2



18pin SOP

CD0031AM

888888888



нинининий 48pin SOP



120pin QFP

CXA2151Q CXD2013Q-T6



CXD2073Q-T4



32pin QFP



16pin SOP

CXA1726AM NJM2180M



CXA2069Q CXP85840A-039Q CXP86448-635Q CX2150AQ



DM-58



MARKING SIDE VIEW ¥pin 1 ~ N ¥Mt (one side, both side)

14pin DIP LA78045



M24C08-MN6T M24C32-WMN6T NJM2068V NJM2904M UPC4558G2



8pin SOP



M306V2ME-175FP

MSM514265C-60JS

TOP VIEW



NJM2395AF05 PQ09RF21



NJM2903M UPC393C



NJM7905FA



NJW1148



48pin QFP

PQ1CG2032FZ

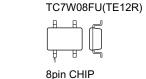


PST9143NL PST9145NL



5pin CHIP





TDA6120Q / N2/S2





11pin ZIP



Janananaa 14pin SOP

AAAAAAAAAA



2SA1358-Y 2SA3421-Y



2SA1037AK-T146R 2SA1226-T1E3E4 2SC1623-L516 2SD601A-QRS-TX DTC114EKA-T146 DTC144EKA-T146



2SA2005 2SC5511



2SC2688-LK LETTER SIDE



2SC4634LS-CB11



2SK2036(TE85L)



IRFIB7N50A



SECTION 6: EXPLODED VIEWS

Components not identified by a part number or description are not stocked because they are seldom required for routine service.

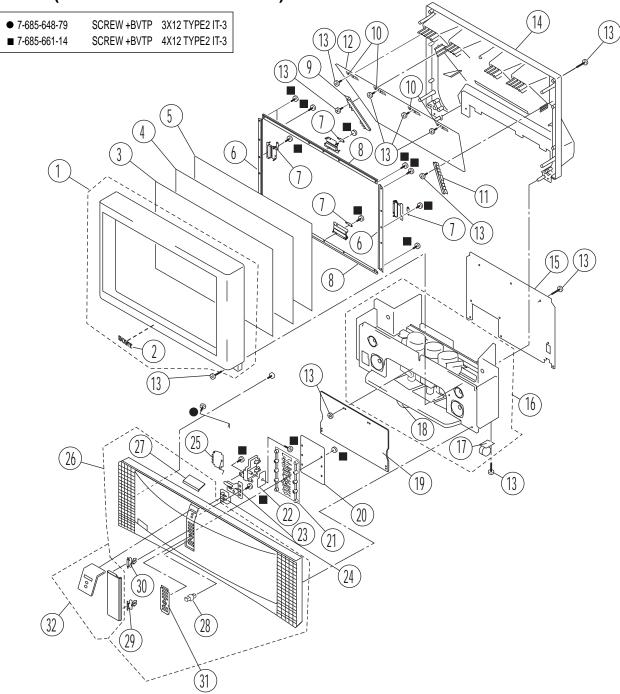
The component parts of an assembly are indicated by the reference numbers in the far right column of the parts list and within the dotted lines of the diagram.

* Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

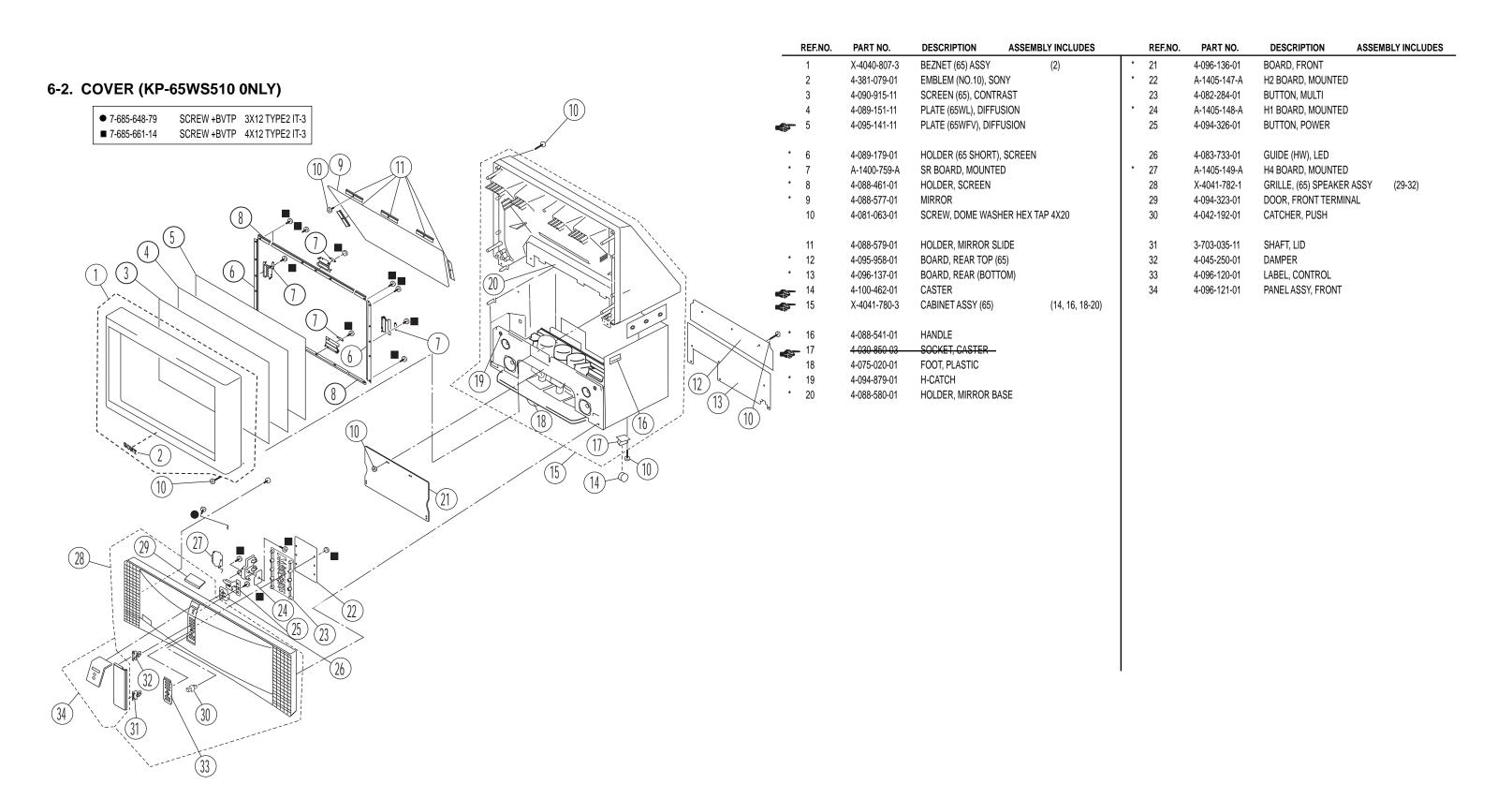
NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-1. COVER (KP-51WS510/57WS510 ONLY)



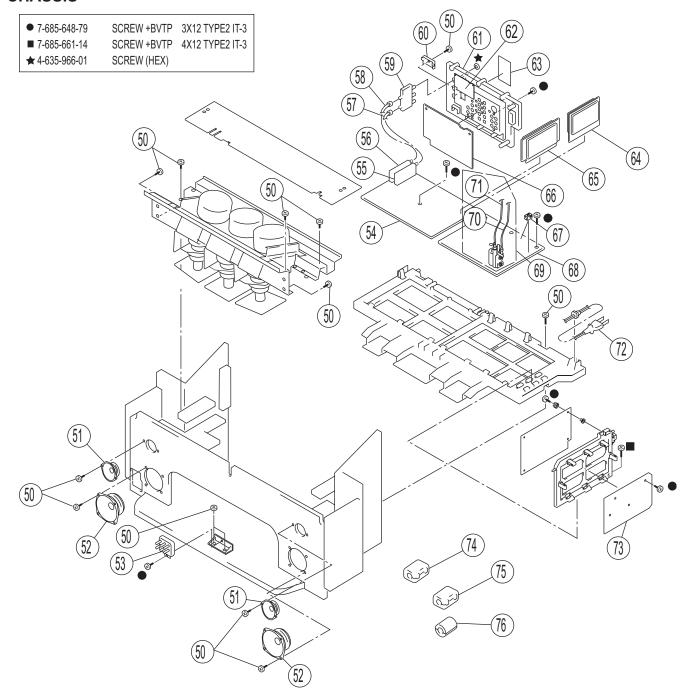
KP-51WS510/57WS510/65WS510

	REF.NO.	PART NO.	DESCRIPTION	ASSEMBLY INCLUDES		REF.NO.	PART NO.	DESCRIPTION	ASSEMBLY INCLUDES
	1	X-4040-804-2	BEZEL (51) ASSY	(2)		12	4-084-615-01	MIRROR (51)	
			(KP-51WS510 ONLY)					(KP-51WS510 ONLY)	
	1	X-4040-796-2	BEZEL (57) ASSY	(2)		12	4-084-561-02	MIRROR (57)	
			(KP-57WS510 ONLY)					(KP-57WS510 ONLY)	
	2	3-704-179-01	EMBLEM (NO.9), SONY	,		13	4-081-063-01	SCREW, DOME WASHER	R HEX TAP 4X20
			(KP-51WS510 ONLY)		*	14	4-083-467-01	COVER (51), MIRROR	
	2	4-381-079-01	EMBLEM (NO.10), SON	Υ				(KP-51WS510 ONLY)	
			(KP-57WS510 ONLY)			14	X-4039-824-1	COVER (57) ASSY, MIRR	OR
	3	4-090-910-11	SCREEN (51), CONTRA	AST				(KP-57WS510 ONLY)	
			(KP-51WS510 ONLY)		*	15	4-096-113-01	BOARD, REAR	
	3	4-090-881-11	SCREEN (57), CONTRA	AST				(KP-51WS510 ONLY)	
			(KP-57WS510 ONLY)		*	15	4-090-883-01	BOARD (57), REAR	
								(KP-57WS510 ONLY)	
	4	4-095-388-11	PLATE (51WL), DIFFUS	ION	*	16	X-4041-777-1	CABINET ASSY, BOTTON	1 (17-18)
			(KP-51WS510 ONLY)					(KP-51WS510 ONLY)	
	4	4-095-924-11	PLATE (57WL), DIFFUS	ION	*	16	X-4041-784-1	CABINET (57), ASSY	(17-18)
			(KP-57WS510 ONLY)					(KP-57WS510 ONLY)	
	5	4-081-953-11	PLATE (51WFV), DIFFU	ISION		17	4-040-755-01	CASTER (DIA. 30)	
			(KP-51WS510 ONLY)					(KP-51WS510/57WS510	ONLY)
	5	4-081-950-11	PLATE (57WFV), DIFFU	ISION		18	4-075-020-01	FOOT, PLASTIC	
			(KP-57WS510 ONLY)		*	19	4-096-114-01	BOARD, FRONT	
*	6	4-084-617-12	HOLDER, SCREEN					(KP-51WS510 ONLY)	
			(KP-51WS510 ONLY)		*	19	4-084-566-01	BOARD, FRONT	
*	6	4-084-568-12	HOLDER, SCREEN					(KP-57WS510 ONLY)	
			(KP-57WS510 ONLY)		*	20	A-1405-147-A	H2 BOARD, MOUNTED	
*	7	A-1400-759-A	SR BOARD, MOUNTED	1		21	4-082-284-01	BUTTON, MULTI	
*	8	4-084-617-02	HOLDER, SCREEN		*	22	A-1405-148-A	H1 BOARD, MOUNTED	
			(KP-51WS510 ONLY)			23	4-094-326-01	BUTTON, POWER	
*	8	4-084-568-02	HOLDER, SCREEN			24	4-083-733-01	GUIDE (HW), LED	
			(KP-57WS510 ONLY)		*	25	A-1405-149-A	H4 BOARD, MOUNTED	
*	9	4-083-460-01	HOLDER (L), MIRROR	SIDE		26	X-4041-779-1	GRILLE ASSY, SPEAKER	(51) (27-30)
			(KP-51WS510 ONLY)					(KP-51WS510 ONLY)	
*	9	4-083-462-01	HOLDER (L), MIRROR	SIDE		26	X-4041-783-1	GRILLE, (57) SPEAKER A	SSY (27-30)
			(KP-57WS510 ONLY)					(KP-57WS510 ONLY)	
*	10	4-081-501-01	HOLDER, MIRROR						
						27	4-094-323-01	DOOR, FRONT TERMINA	L
*	11	4-083-459-01	HOLDER (R), MIRROR	SIDE		28	4-042-192-01	CATCHER, PUSH	
			(KP-51WS510 ONLY)			29	3-703-035-11	SHAFT, LID	
*	11	4-083-461-01	HOLDER (R), MIRROR	SIDE		30	4-045-250-01	DAMPER	
			(KP-57WS510 ONLY)			31	4-096-120-01	LABEL, CONTROL	
						32	4-096-121-01	PANEL ASSY, FRONT	



NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

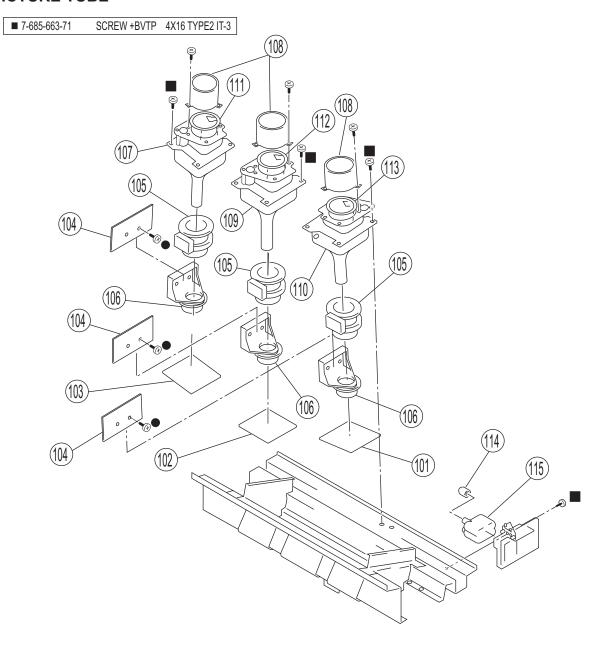
6-3. CHASSIS



REF.NO.	PART NO.	DESCRIPTION	[ASSEMBLY INCLUDES]	REF.NO.	PART NO.	DESCRIPTION	[ASSEMBLY INC	LUDES]
50	4-081-063-01	SCREW, DOME WASH	ER HEX TAP 4X20	* 65	A-1302-209-A	B BOARD, COMPLE	TE	
51	1-529-403-41	LOUDSPEAKER (6.6CM	1)	* 66	A-1302-178-A	U BOARD, COMPLE	TE	
52	1-825-525-11	LOUDSPEAKER (13CM)	67	3-710-578-01	COVER, VOLUME, 6	MOLD	
∑ 53	1-223-925-34	RESISTOR ASSY (HIGH	H-VOLTAGE)	△ *68	A-1302-708-A	D BOARD, COMPLE	TE	
54	A-1302-177-A	A BOARD, COMPLETE	(54, 62, 64, & 65)			leads associated with th		l are not
- 54	A-1405-136-A	A BOARD, MOUNTED				st be ordered separately. ,001 TO 8,099,999 ONL		
55	8-598-594-10	TUNER, FSS BTF-FA42	1		(SERIAL # 9,000	,001 TO 9,099,999 ONL	Y)	
56	8-598-593-20	TUNER, FSS BTF-WA42	21	1 ★ ★ 68	A-1302-180-A	D BOARD, COMPLE	TE	
57	1-557-056-31	CABLE, P-P			The high voltage	leads associated with th	e FBT on the D Board	l are not
58	1-556-945-21	CABLE, P-P			included and mu	st be ordered separately.	(SEE 70-71)	
∑ 59	1-771-787-13	SWITCH, RF ANTENNA			(SERIAL # 8,700	,001 AND UP ONLY)		
					(SERIAL # 9,700	,001 AND UP ONLY)		
60	4-069-675-01	CAP, TERMINAL BOAR)					
61	4-089-438-01	BOARD, TERMINAL		<u> </u>	1-453-285-51	FBT ASSY, NX-4006		(70-71)
62	A-1300-324-A	UD BOARD, COMPLET	Ε	<u> </u>	1-779-095-51	LEAD ASSY, HIGH-V	OLTAGE	
63	4-089-194-01	LABEL, TERMINAL		<u> </u>	1-900-260-40	CONNECTOR ASSY,	MV	
64	A-1302-179-A	AD BOARD, COMPLET	E	<u> </u>	1-790-001-12	CORD, AC POWER (WITH CONNECTOR	
				△ * 73	A-1302-383-A	G BOARD, COMPLE	TE	
				74	1-500-082-11	CLAMP, SLEEVE FE	RRITE	
				75	1-500-021-11	CLAMP, SLEEVE FE	RRITE	
						(KP-57WS510/65WS	510 ONLY)	
				76	1-469-241-11	CORE, FERRITE (RF	-C-8 BK)	
					1 100 211 11	001.2,12111112 (11	0 0 2.1.,	

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

6-4. PICTURE TUBE



				KEF.NO.		
* 101	A-1302-811-A	CB BOARD, COMPLETE				
* 102	A-1302-812-A	CG BOARD, COMPLETE		109	8-735-182-05	CRT 07MRC21 (G)
* 103	A-1302-810-A	CR BOARD, COMPLETE			(SERIAL # 8,000	,001 TO 8,099,999 and
* 104	A-1405-146-A	V BOARD, MOUNTED	-			3,899,999 # 9,000,001 TO 9,099,999 ONLY)
		,		109	A-1604-483-A	COUPLER (G) ASSY, CRT
⚠ 105	1-451-536-41	DEFLECTION YOKE				,001 AND UP and # 9,700,001 AND UP ONLY)
		ERIAL # 8,000,001 TO 8,099,999 and			(02/1/1/12/1/0,700	, so that but and ho, too, so that but one one if
	•	9,099,999 ONLY)		110	8-735-185-05	CRT 07MRC31 (B)
A 10E			2:3	110		• •
<u> </u>	1-451-536-13	DEFLECTION YOKE			•	ERIAL # 8,000,001 TO 8,099,999 and
	,	7WS510 # 8,700,001 AND UP and				3,899,999 # 9,000,001 TO 9,099,999 ONLY)
A	# 9,700,001 ANI	•		110	A-1604-487-A	COUPLER (B) ASSY, CRT
△ 105	1-451-542-41	DEFLECTION YOKE			•	NLY SERIAL # 8,700,001 AND UP and
	(KP-57WS510/6	5WS510 SERIAL # 8,000,001 TO 8,099,999 and			# 9,700,001 ANI	O UP ONLY)
	# 9,000,001 TO	9,099,999 ONLY)		110	8-735-187-05	CRT 07MRC41 (B)
<u> </u>	1-451-537-14	DEFLECTION YOKE			(KP-57WS510 S	ERIAL# 8,000,001 TO 8,099,999 and
	(KP-65WS510 S	ERIAL# 8,700,001 AND UP and			# 9,000,001 TO	9,099,999 ONLY)
	# 9,700,001 ANI			110	A-1604-493-A	COUPLER (B) ASSY, CRT
	,,	,				ERIAL # 8,700,001 AND UP and
△ 106	1-452-790-31	NECK ASSEMBLY			# 9,700,001 ANI	
		,001 TO 8,099,999 and		110	8-735-189-05	CRT 07MRC61 (B)
	•			110		()
A 400		9,099,999 ONLY)			•	ERIAL# 8,000,001 TO 8,099,999 and
△ 106	1-451-535-12	COIL ASSY, VM		440		9,099,999 ONLY)
	(SERIAL # 8,700	,001 AND UP and # 9,700,001 AND UP ONLY)		110	A-1604-499-A	COUPLER (B) ASSY, CRT
A					•	ERIAL # 8,700,001 AND UP and
⚠ 107	8-735-186-05	CRT 07MRC31 (R)			# 9,700,001 ANI	O UP ONLY)
	(KP-51WS510 S	ERIAL # 8,000,001 TO 8,099,999 and				
	# 8,800,001 TO 8	3,899,999 # 9,000,001 TO 9,099,999 ONLY)		111	4-096-118-01	SHADE (51-R)
<u> </u>	A-1604-485-A	COUPLER (R) ASSY, CRT				(KP-51WS510 ONLY)
	(KP-51WS510 S	ERIAL # 8,700,001 AND UP and		111	4-096-145-01	SHADE, RED
	# 9,700,001 ANI					(KP-57WS510/65WS510 ONLY)
⚠ 107	8-735-188-05	CRT 07MRC41 (R)		112	4-097-791-01	SHADE (G)
		ERIAL # # 8,000,001 TO 8,099,999 and				5WS510 SERIAL # 8,000,001 TO 8,099,999 and
	•	9,099,999 ONLY)			•	9,099,999 ONLY)
△ 107	A-1604-491-A	COUPLER (R) ASSY, CRT		112	4-096-119-01	SHADE (51-G)
Z:\(\text{10}\)			-	112		* *
	•	ERIAL # 8,700,001 AND UP and			*	ERIAL # 8,000,001 TO 8,099,999 and
A	# 9,700,001 ANI	•			# 9,000,001 TO	
△ 107	8-735-190-05	CRT 07MRC61 (R)				WS510/65WS510 SERIAL # 8,700,001 AND UP and
	•	ERIAL # # 8,000,001 TO 8,099,999 and	4		# 9,700,001 ANI	O UP ONLY)
	# 9,000,001 TO	9,099,999 ONLY)				
<u> </u>	A-1604-497-A	COUPLER (R) ASSY, CRT		113	4-096-146-01	SHADE, BLUE
	(KP-65WS510 S	ERIAL # 8,700,001 AND UP and			(KP-57WS510/6	5WS510 SERIAL # 8,700,001 AND UP and
	# 9,700,001 ANI	O UP ONLY)			# 9,700,001 ANI	O UP ONLY)
		,		114	4-373-137-01	CAP (Z), RUBBER
108	4-083-751-01	LENS (DELTA 250)	\triangle		8-598-955-32	BLOCK ASSY, HV HVB-1031
100	. 550 101 01	(KP-51WS510 ONLY)			0 000 000 02	
108	4-083-750-01	LENS (DELTA 260)				
100	4-000-700-01	,				
400	4 007 040 04	(KP-57WS510 ONLY)				
108	4-087-842-01	LENS (DELTA 270)				
		(KP-65WS510 ONLY)				

REF.NO.

PART NO.

DESCRIPTION

DESCRIPTION

REF.NO.

PART NO.

KP-51WS510/57WS510/65WS510

SECTION 7: ELECTRICAL PARTS LIST

NOTE: The components identified by shading and \triangle mark are critical for safety. Replace only with part number specified.

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components in this manual identified by the following symbol:

indicate parts that have been carefully factory-selected to satisfy regulations regarding X-ray radiation for each set.

Should replacement be required for one of these components, replace only with the value originally used.

RESISTORS



- All resistors are in ohms
- F : nonflammable
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When ordering parts by reference number, please include the board name.

_	REF.NO.	PART NO.	DESCRIPTION	VALUES		REF.NO.	PART NO.	DESCRIPTION	VALU	JES	
<u>-</u>	J						<u>IC</u>				
, (ノ					IC7101	8-759-680-01	IC	TDA612	0Q/N2/S1	
*		A-1302-810-A	CR BOARD, COMP				JUMPER WIRE				
		4-382-854-11	SCREW (M3X10), P, S				JUNIPER WIRE				
*		7-651-000-50	GREASE, SILICON (G-	746) 200G		JW7104	1-216-864-11	SHORT CHIP			
		CAPACITOR					<u>COIL</u>				
	C7101	1-164-156-11	CERAMIC CHIP	0.1µF	25V	L7101	1-469-555-21	INDUCTOR	10µH		
	C7102	1-101-003-00	CERAMIC	0.0047µF	50V	L7102	1-414-855-31	INDUCTOR	1μH		
	C7103	1-104-570-11	CERAMIC	0.001µF 10%	6 2KV	L7103	1-414-855-31	INDUCTOR	1μΗ		
	C7104	1-107-662-11	ELECT	22μF 20%	6 350V				'		
	C7105	1-162-918-11	CERAMIC CHIP	18pF 5%	50V		TRANSISTOR				
	C7106	1-126-768-11	ELECT	2200µF 20%	6 16V	Q7101	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX	(
	C7107	1-161-830-00	CERAMIC	0.0047µF	500V	Q7102	8-729-422-27	TRANSISTOR	2SD601	A-Q	
	C7108	1-101-003-00	CERAMIC	0.0047µF	50V	Q7103	8-729-048-50	TRANSISTOR	2SK301	8-T106	
	C7109	1-164-156-11	CERAMIC CHIP	0.1µF	25V						
	C7110	1-164-156-11	CERAMIC CHIP	0.1µF	25V		RESISTOR				
	07444	4 400 000 44	FLECT	400F 200	401	R7101	1-260-132-11	CARBON	560K	5%	1/2W
	C7111	1-126-933-11	ELECT CERAMIC CHIR	100μF 20%		R7102	1-216-813-11	METAL CHIP	220	5%	1/10W
	C7112	1-164-156-11	CERAMIC CHIP	0.1µF	25V	R7103	1-218-693-11	METAL CHIP	1.1K	0.50%	1/10W
	C7114 C7117	1-162-966-11	CERAMIC CHIP	0.0022µF 10%	6 50V 50V	R7104	1-218-696-11	METAL CHIP	1.5K	0.50%	1/10W
	GIIII	1-164-096-11	CERAMIC	0.01µF	50 V	R7105	1-219-743-11	METAL	100	5%	1/2W
		CONNECTOR				R7106	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
*	CN7102	1-564-509-11	PLUG, CONNECTOR 6	3P		R7107	1-260-133-11	CARBON	680K	5%	1/2W
*	CN7103	1-564-510-11	PLUG, CONNECTOR 7			R7108	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
	CN7104	1-785-879-11	CONNECTOR, ONE TO			R7109	1-216-815-11	METAL CHIP	330	5%	1/10W
	CN7105	1-695-915-11	TAB (CONTACT)			R7110	1-218-703-11	METAL CHIP	3K	0.50%	1/10W
	CN7107	1-695-915-11	TAB (CONTACT)								
			,			R7111	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
<u>^</u> !\	CN7108	1-251-182-11	SOCKET, CRT			R7112	1-218-746-11	METAL CHIP	180K	0.50%	1/10W
						R7113	1-218-746-11	METAL CHIP	180K		1/10W
		DIODE				R7114	1-215-925-11	METAL OXIDE	22K	5%	3W
	D7404	0.740.404.50	DIODE	MAAAA TV		R7116	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
	D7101	8-719-404-50	DIODE	MA111-TX							
	D7102	8-719-901-83	DIODE	1SS83		R7118	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
	D7103	8-719-901-83	DIODE	1SS83		R7119	1-260-320-11	CARBON	220	5%	1/2W
						R7120	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W

^{*} Items marked with an asterisk are not stocked since they are seldom required for routine service. Expect some delay when ordering these components.



_	REF.NO.	PART NO.	DESCRIPTION	VALUES	3		REF.NC). PART NO.	DESCRIPTION	VALU	JES	
	R7121	1-249-425-11	CARBON	4.7K	5%	1/4W	D7303	8-719-901-83	DIODE	1SS83		
	R7122	1-260-087-11	CARBON	100	5%	1/2W	D7304	8-719-901-83	DIODE	1SS83		
	R7123	1-260-328-11	CARBON	1K	5%	1/2W						
								<u>IC</u>				
		SPARK GAP					IC7301	8-759-680-01	IC	TDA612	0Q/N2/S1	
	SG7101	1-519-422-11	GAP, SPARK									
	SG7102	1-517-729-31	GAP, SPARK					JUMPER WIRE				
	SG7103	1-519-421-11	GAP, DISCHARGE				JW7302	1-216-864-11	SHORT CHIP			
	<u> </u>	I					JW7304		SHORT CHIP			
ş- (:H						JW7305		SHORT CHIP			
			00 00400 0040				0111000	1 210 001 11	OHORRI OHIII			
•		A-1302-811-A	CB BOARD, COMPL					<u>COIL</u>				
*		4-382-854-11 7-651-000-50	SCREW (M3X10), P, SV GREASE, SILICON (G-7	. ,								
		7-001-000-00	GREASE, SILICON (G-1	40) 2000			L7301	1-469-555-21	INDUCTOR	10µH		
		CAPACITOR					L7302	1-414-855-31	INDUCTOR	1μH		
		CAPACITOR					L7303	1-414-855-31	INDUCTOR	1µH		
	C7301	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		TRANSISTOR				
	C7302	1-162-919-11	CERAMIC CHIP	22pF	5%	50V		INANSISTON				
	C7303	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	Q7301	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX	(
	C7304	1-101-003-00	CERAMIC	0.0047µF		50V	Q7302	8-729-424-02	TRANSISTOR	2SB709	A-QRS-TX	(
	C7305	1-104-570-11	CERAMIC	0.001µF	10%	2KV	Q7303	8-729-422-27	TRANSISTOR	2SD601	A-Q	
							Q7304	8-729-048-50	TRANSISTOR	2SK301	8-T106	
	C7306	1-126-768-11	ELECT	2200µF	20%	16V						
	C7307	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V		RESISTOR				
	C7308	1-107-662-11	ELECT	22μF	20%	350V	R7301	1-249-393-11	CARBON	10	5%	1/4W
	C7309	1-101-003-00	CERAMIC	0.0047µF		50V	R7302	1-243-333-11	METAL CHIP	1.2K	5%	1/10W
	C7310	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R7303	1-216-813-11	METAL CHIP	220	5%	1/10W
	C7244	1 164 156 11	CEDAMIC CHID	٥ 1 ي ٦		251/	R7304	1-260-132-11	CARBON	560K	5%	1/2W
	C7311 C7312	1-164-156-11 1-126-933-11	CERAMIC CHIP ELECT	0.1μF 100μF	20%	25V 16V	R7305	1-216-801-11	METAL CHIP	22	5%	1/10W
	C7312	1-120-955-11	CERAMIC CHIP	100μF 0.1μF	20%	25V	117000	1210 001 11	me n le or m		070	
	C7314	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V	R7306	1-218-696-11	METAL CHIP	1.5K	0.50%	1/10W
	C7314	1-161-830-00	CERAMIC	0.1μΓ 0.0047μF		500V	R7307	1-219-743-11	METAL	100	5%	1/2W
	07010	1-101-030-00	OLIVAIVIIO	0.00+1μι		300 V	R7308	1-216-809-11	METAL CHIP	100	5%	1/10W
	C7317	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	R7309	1-216-864-11	SHORT CHIP			
	C7320	1-164-096-11	CERAMIC	0.01µF	1070	50V	R7310	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
				•								
		CONNECTOR					R7311	1-218-692-11	METAL CHIP	1K		1/10W
*	CN7302	1 564 500 11	PLUG, CONNECTOR	6P			R7312	1-260-133-11	CARBON	680K	5%	1/2W
*	CN7302 CN7303	1-564-509-11 1-564-510-11	PLUG, CONNECTOR	7P			R7313	1-216-818-11	METAL CHIP	560	5%	1/10W
*	CN7304	1-564-510-11	PLUG, CONNECTOR	7P			R7314	1-218-680-11	METAL CHIP	330		1/10W
	CN7305	1-785-879-11	CONNECTOR, ONE TO				R7315	1-218-690-11	METAL CHIP	820	0.50%	1/10W
	CN7307	1-695-915-11	TAB (CONTACT)	0011			D7040	4 040 000 44	METAL CLUD	4.417	0.500/	4/40\4/
	5.11.001	. 555 616 11					R7316 R7317	1-218-693-11 1-218-696-11	METAL CHIP	1.1K 1.5K		1/10W 1/10W
	CN7308	1-695-915-11	TAB (CONTACT)						METAL CHIP			
<u> </u>		1-251-182-11	SOCKET, CRT				R7318 R7319	1-218-704-11	METAL CHIP	3.3K 2.2K	0.50% 5%	1/10W 1/10W
							R7319 R7320	1-216-825-11 1-218-752-11	METAL CHIP METAL CHIP	2.2K 330K		1/10W
		DIODE					11/320	1-210-132-11	MIL IAL OHIF	JJUIN	0.00 /0	17 1 0 9 9
	D7301	8-719-404-50	DIODE	MA111-TX	,		R7321	1-218-746-11	METAL CHIP	180K	0.50%	1/10W
	D7301	8-719-404-50	DIODE	MA111-TX			R7322	1-215-925-11	METAL OXIDE	22K	5%	3W
	D1002	3 7 10 1 0 1 -00	DIODE	1411 X 1 1 1 - 1 7			-					



_	REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
_	R7323	1-216-827-11	METAL CHIP	3.3K	5%	1/10W		<u>IC</u>				
	R7325	1-216-823-11	METAL CHIP	1.5K	5%	1/10W						
	R7326	1-260-320-11	CARBON	220	5%	1/2W	IC7201	8-759-680-01	IC	TDA6120)Q/N2/S1	
	R7328	1-249-425-11	CARBON	4.7K	5%	1/4W						
	R7329	1-260-087-11	CARBON	100	5%	1/2W		JUMPER WIRE				
	R7330	1-260-328-11	CARBON	1K	5%	1/2W	JW7214	1-216-864-11	SHORT CHIP			
		SPARK GAP						COIL				
	SG7301	1-519-422-11	GAP, SPARK				L7201	1-469-555-21	INDUCTOR	10µH		
	SG7302	1-517-729-31	GAP, SPARK				L7202	1-414-855-31	INDUCTOR	1μH		
	SG7303	1-519-421-11	GAP, DISCHARGE				L7203	1-414-855-31	INDUCTOR	1μH		
Г	\overline{C}									·		
ַר [<u>UU</u>							TRANSISTOR				
*		A-1302-812-A	CG BOARD, COMP	LETE			Q7201	8-729-424-02	TRANSISTOR	2SB709A	N-QRS-TX	
		4-382-854-11	SCREW (M3X10), P, S	W (+)			Q7202	8-729-422-27	TRANSISTOR	2SD601A	N-Q	
*		7-651-000-50	GREASE, SILICON (G-	746) 200G			Q7203	8-729-048-50	TRANSISTOR	2SK3018	I-T106	
		CAPACITOR						RESISTOR				
	C7201	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R7201	1-216-813-11	METAL CHIP	220	5%	1/10W
	C7202	1-101-003-00	CERAMIC	0.0047µF		50V	R7202	1-218-693-11	METAL CHIP	1.1K		1/10W
	C7203	1-104-570-11	CERAMIC	0.001µF	10%	2KV	R7203	1-218-696-11	METAL CHIP	1.5K		1/10W
	C7204	1-107-662-11	ELECT	22µF	20%	350V	R7204	1-260-132-11	CARBON	560K	5%	1/2W
	C7205	1-162-920-11	CERAMIC CHIP	27pF	5%	50V	R7205	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
				•								
	C7206	1-101-003-00	CERAMIC	0.0047µF		50V	R7206	1-219-743-11	METAL	100	5%	1/2W
	C7207	1-126-768-11	ELECT	2200µF	20%	16V	R7207	1-218-690-11	METAL CHIP	820	0.50%	
	C7208	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R7208	1-260-133-11	CARBON	680K	5%	1/2W
	C7209	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R7209	1-216-815-11	METAL CHIP	330	5%	1/10W
	C7210	1-126-933-11	ELECT	100µF	20%	16V	R7210	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
	C7211	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R7211	1-218-708-11	METAL CHIP	4.7K	0.50%	1/10W
	C7212	1-161-830-00	CERAMIC	0.0047µF		500V	R7212	1-218-742-11	METAL CHIP	120K		1/10W
	C7214	1-162-966-11	CERAMIC CHIP	0.0022µF		50V	R7213	1-218-742-11	METAL CHIP	120K	0.50%	1/10W
	C7217	1-164-096-11	CERAMIC	0.01µF		50V	R7214	1-215-925-11	METAL OXIDE	22K	5%	3W
				·			R7215	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
		CONNECTOR					D7046	4 040 000 44	METAL CLUD	4.51/	E0/	4/40\4
*	CN7202	1-564-509-11	PLUG, CONNECTOR 6	SP.			R7216 R7219	1-216-823-11 1-260-320-11	METAL CHIP CARBON	1.5K 220	5% 5%	1/10W 1/2W
*	CN7203	1-564-510-11	PLUG, CONNECTOR 7				R7219 R7220	1-200-320-11	METAL CHIP	5.6K	0.50%	
*	CN7204	1-564-510-11	PLUG, CONNECTOR 7				R7220		CARBON	4.7K	5%	1/4W
	CN7205	1-785-879-11	CONNECTOR, ONE TO				R7221	1-249-425-11 1-260-087-11	CARBON	100	5% 5%	1/ 4 vv 1/2W
	CN7206	1-695-915-11	TAB (CONTACT)				17222	1-200-007-11	CARBON	100	3 /0	1/244
	CN17200	1 605 015 11	TAR (CONTACT)				R7223	1-260-328-11	CARBON	1K	5%	1/2W
,	CN7208 Û CN7209	1-695-915-11 1-251-182-11	TAB (CONTACT) SOCKET, CRT									
2	:\ CIN1209	1-231-102-11	SOURLI, URI					SPARK GAP				
		DIODE					SG7201	1-519-422-11	GAP, SPARK			
	D7201	8-719-404-50	DIODE	MA111-T)	<		SG7202	1-517-729-31	GAP, SPARK			
	D7201	8-719-901-83	DIODE	1SS83	•		SG7203	1-519-421-11	GAP, DISCHARGE			
	D7202	8-719-901-83	DIODE	1SS83								
	5,200	3 7 13 00 1 00	5.052	.5000								



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALI	JES	
1						Q9007	8-729-120-28	TRANSISTOR	2SC162	3-L5L6	
$ \mathbf{V} $						Q9008	8-729-045-04	TRANSISTOR	2SC551	1	
						Q9009	8-729-045-05	TRANSISTOR	2SA200		
*	A-1405-146-A	V BOARD, MOUNT	ED								
	4-382-854-11	SCREW (M3X10), P, S	. ,				RESISTOR				
*	7-651-000-50	GREASE, SILICON (G-	746) 200G			D0000	4 040 005 44	METAL CLUB	47	F 0/	4/40\\
						R9002	1-216-805-11	METAL CHIP	47 820	5% 5%	1/10W 1/10W
	CAPACITOR					R9004 R9005	1-216-820-11 1-216-829-11	METAL CHIP METAL CHIP	620 4.7K	5% 5%	1/10W
C9002	1-104-999-11	MYLAR	0.1µF	5%	200V	R9005	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
C9003	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	R9007	1-216-809-11	METAL CHIP	100	5%	1/10W
C9006	1-126-935-11	ELECT	470µF	20%	16V	10007	1 210 000 11	WEINE OIT	100	0 70	171011
C9007	1-126-933-11	ELECT	100µF	20%	16V	R9008	1-216-803-11	METAL CHIP	33	5%	1/10W
C9008	1-126-935-11	ELECT	470µF	20%	16V	R9009	1-216-809-11	METAL CHIP	100	5%	1/10W
			'			R9010	1-216-813-11	METAL CHIP	220	5%	1/10W
C9009	1-126-933-11	ELECT	100µF	20%	16V	R9011	1-216-864-11	SHORT CHIP			
C9010	1-107-667-11	ELECT	2.2µF	20%	400V	R9012	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
C9011	1-107-364-11	MYLAR	0.01µF	10%	200V						
C9012	1-107-364-11	MYLAR	0.01µF	10%	200V	R9013	1-216-805-11	METAL CHIP	47	5%	1/10W
C9013	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	R9014	1-216-805-11	METAL CHIP	47	5%	1/10W
						R9015	1-216-833-11	METAL CHIP	10K	5%	1/10W
C9014	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V	R9016	1-249-414-11	CARBON	560	5%	1/4W
C9015	1-126-935-11	ELECT	470µF	20%	16V	R9017	1-249-435-11	CARBON	33K	5%	1/4W
C9017	1-104-999-11	MYLAR	0.1µF	5%	200V						
C9018	1-107-638-11	ELECT	33µF	20%	160V	R9018	1-249-435-11	CARBON	33K	5%	1/4W
C9019	1-126-935-11	ELECT	470μF	20%	16V	R9019	1-249-414-11	CARBON	560	5%	1/4W
						R9020	1-216-799-11	METAL CHIP	15	5%	1/10W
	CONNECTOR					R9021	1-216-799-11	METAL CHIP	15	5%	1/10W
* CN9001	1-564-508-11	PLUG, CONNECTOR		5P		R9022	1-249-421-11	CARBON	2.2K	5%	1/4W
* CN9002	1-770-723-11	CONNECTOR, BOARD	TO BOARE	98 C		B0000	1 0 10 101 11	OA BROW	0.017	=0/	414141
						R9023	1-249-421-11	CARBON	2.2K	5%	1/4W
	<u>DIODE</u>					R9024	1-249-405-11	CARBON	100	5%	1/4W
D0004	0.740.000.04	DIODE	400055	E 47		R9025 R9027	1-249-385-11 1-249-385-11	CARBON CARBON	2.2 2.2	5% 5%	1/4W 1/4W
D9001	8-719-988-61	DIODE DIODE	1SS355T			R9027 R9028	1-249-305-11	CARBON	100	5% 5%	1/4VV 1/4W
D9002 D9003	8-719-988-61 8-719-988-61	DIODE	1SS355T 1SS355T			13020	1-243-403-11	CANDON	100	J /0	1/7 VV
D9003 D9004	8-719-988-61	DIODE	1SS355T			R9029	1-215-913-11	METAL OXIDE	220	5%	3W
D9004 D9005	8-719-510-02	DIODE	D1NS4	L-1 <i>1</i>		R9030	1-249-377-11	CARBON	0.47	5%	1/4W
D3003	0-7 19-010-02	DIODL	DINOT			R9031	1-249-385-11	CARBON	2.2	5%	1/4W
D9006	8-719-110-56	DIODE	RD22ESE	31		R9032	1-249-385-11	CARBON	2.2	5%	1/4W
D9007	8-719-110-56	DIODE	RD22ESE			R9033	1-249-436-11	CARBON	39K	5%	1/4W
2000.	0 7 10 110 00	5.052	ROZZZOZ	- 1							
	COIL					R9034	1-249-436-11	CARBON	39K	5%	1/4W
L9001	1-412-525-31	INDUCTOR	10µH								
	TRANSISTOR										
Q9002	8-729-120-28	TDANICICTOD	2SC1623	1516							
Q9002 Q9003	8-729-120-28 8-729-120-28	TRANSISTOR TRANSISTOR	2SC1623								
Q9003 Q9004	8-729-120-26 8-729-026-49	TRANSISTOR	2SA1037		ŝ₌R						
Q9004 Q9005	8-729-120-28	TRANSISTOR	2SC1623		V 11						
Q9006	8-729-026-49	TRANSISTOR	2SA1037		6-R						
20000			_50011			I					



REF.NO.	PART NO.	DESCRIPTION	VALUE	s		_	REF.NO.	PART NO.	DESCRIPTION	VALUE	S	
							C5053	1-126-967-11	ELECT	47µF	20%	50V
							C5054	1-126-955-11	ELECT	4700μF	20%	35V
							C5055	1-126-933-11	ELECT	4700μF	20%	16V
<u>^</u> *	A 4202 202 A	G BOARD, COMPLETE	-						ELECT	•		50V
<u> </u>	A-1302-383-A	•					C6001	1-126-967-11		47µF	20%	
•	4-374-846-01	COVER, CAPACITOR,					C6002	1-104-666-11	ELECT	220µF	20%	25V
	4-382-854-11	SCREW (M3X10), P, SV	. ,									
*	7-651-000-50	GREASE, SILICON (G-7	746) 200G				C6004	1-126-967-11	ELECT	47µF	20%	50V
							C6008	1-117-228-11	MYLAR	2.2µF	10%	450V
	<u>CAPACITOR</u>						C6012	1-119-894-51	CERAMIC	2200pF	20%	250V
05004	4 404 045 44	OFDAMIO	4000	400/	F00\/	<u>^</u>	C6013	1-119-894-51	CERAMIC	2200pF	20%	250V
C5001	1-164-645-11	CERAMIC	1000pF	10%	500V	<u>/</u>	C6014	1-104-708-11	MYLAR	0.47µF	20%	250V
C5002	1-164-645-11	CERAMIC	1000pF	10%	500V					•		
C5006	1-104-665-11	ELECT	100µF	20%	25V		C6015	1-161-964-91	CERAMIC	0.0047µF		250V
C5007	1-164-645-11	CERAMIC	1000pF	10%	500V		C6016	1-161-964-91	CERAMIC	0.0047µF		250V
C5008	1-164-645-11	CERAMIC	1000pF	10%	500V		C6017	1-162-964-11	CERAMIC CHIP	0.0047μi 0.001μF	10%	50V
											1070	
C5009	1-126-953-11	ELECT	2200µF	20%	35V		C6018	1-162-974-11	CERAMIC CHIP	0.01µF	000/	50V
C5010	1-126-953-11	ELECT	2200µF	20%	35V		C6019	1-126-968-11	ELECT	100µF	20%	50V
C5011	1-164-645-11	CERAMIC	1000pF	10%	500V							
C5011		CERAMIC			500V		C6020	1-126-963-11	ELECT	4.7µF	20%	50V
	1-164-645-11		1000pF	10%			C6021	1-126-964-11	ELECT	10μF	20%	50V
C5015	1-115-758-11	ELECT	470µF	20%	16V		C6022	1-161-964-91	CERAMIC	0.0047µF		250V
							C6023	1-161-964-91	CERAMIC	0.0047µF		250V
C5016	1-126-942-61	ELECT	1000μF	20%	25V		C6025	1-136-479-11	FILM	0.001µF	5%	100V
C5017	1-126-942-61	ELECT	1000µF	20%	25V		00020			о.оо.р.	• 70	
C5018	1-126-952-11	ELECT	1000µF	20%	35V		C6029	1-136-165-00	FILM	0.1µF	5%	50V
C5019	1-126-952-11	ELECT	1000µF	20%	35V		C6030		ELECT		20%	35V
C5020	1-110-626-11	ELECT	330µF	20%	160V			1-126-947-11		47µF		
							C6031	1-137-750-11	ELECT	1500µF	20%	250V
C5021	1-115-771-51	ELECT	0.0047F	20%	16V		C6032	1-137-750-11	ELECT	1500µF	20%	250V
C5022	1-126-947-11	ELECT	47µF	20%	35V		C6041	1-125-969-91	CERAMIC	680pF	10%	1KV
C5024	1-107-888-11	ELECT	47μF	20%	25V							
C5024		ELECT			35V		C6042	1-125-969-91	CERAMIC	680pF	10%	1KV
	1-126-947-11		47µF	20%		<u> </u>	C6043	1-104-706-11	MYLAR	0.22µF	20%	250V
C5026	1-126-947-11	ELECT	47µF	20%	35V		C6046	1-126-968-11	ELECT	100µF	20%	50V
							C6047	1-165-954-11	FILM	56000pF	3%	800V
C5027	1-126-951-11	ELECT	470µF	20%	35V							
C5028	1-126-951-11	ELECT	470µF	20%	35V			CONNECTOR				
C5029	1-107-639-11	ELECT	47µF	20%	160V			<u></u>				
C5030	1-126-947-11	ELECT	47µF	20%	35V	*	CN5001	1-564-508-11	PLUG, CONNECTOR		5P	
C5031	1-126-768-11	ELECT	2200µF	20%	16V	*	CN5002	1-564-507-11	PLUG, CONNECTOR		4P	
			•			*	CN5003	1-564-510-11	PLUG, CONNECTOR		7P	
C5038	1-126-947-11	ELECT	47µF	20%	35V	*	CN5004	1-766-177-11	PIN, CONNECTOR (PC	BOARD)	9P	
C5039	1-126-947-11	ELECT	47μF	20%	35V		CN5005	1-695-915-11	TAB (CONTACT)	_ 0)	••	
C5040	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V		0140000	1-030-310-11	IAD (CONTACT)			
							CNEOOG	1 605 015 11	TAD (CONTACT)			
C5041	1-126-767-11	ELECT	1000µF	20%	16V		CN5006	1-695-915-11	TAB (CONTACT)			
C5042	1-126-963-11	ELECT	4.7µF	20%	50V	Λ.	CN5007	1-695-915-11	TAB (CONTACT)			
						<u> </u>	CN6005	1-580-843-11	PIN, CONNECTOR (PO	WER)		
C5043	1-126-935-11	ELECT	470µF	20%	16V							
C5047	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			<u>DIODE</u>				
C5049	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		DE004	0.740.000.07	DIODE	LIDZOTE	47000	
C5050	1-128-554-11	ELECT	330µF	20%	63V		D5001	8-719-083-67	DIODE	UDZSTE-		
	1-120-00 1 -11							0.740.000.00	INODE	DACDCCI	_	
			-	20%	50V		D5002	8-719-060-89	DIODE	D4SBS6-F		
C5051	1-126-961-11	ELECT	2.2µF	20%	50V		D5002 D5003 D5004	8-719-060-89 8-719-060-89	DIODE DIODE DIODE	D4SBS6-F		



REF.NO.	PART NO.	DESCRIPTION	VALUES		REF.NC	. PART NO.	DESCRIPTION	VALUES	
D5005	8-719-083-45	DIODE	31DF4N-FC5			FERRITE BEAD			
D5006	8-719-052-37	DIODE	F10P04Q		EDE004	4 440 200 44	CEDDITE	0.45	
D5007	8-719-988-61	DIODE	1SS355TE-17		FB5001	1-410-396-41	FERRITE	0.45µH	
D5008	8-719-028-45	DIODE	D2L20U		FB5002	1-410-396-41	FERRITE	0.45µH	
D5009	8-719-028-45	DIODE	D2L20U		FB5003	1-410-396-41	FERRITE	0.45µH	
					FB5004	1-410-396-41	FERRITE	0.45µH	
D5010	8-719-200-31	DIODE	21DQ05		FB5005	1-410-396-41	FERRITE	0.45µH	
D5011	8-719-988-61	DIODE	1SS355TE-17						
D5012	8-719-056-93	DIODE	UDZ-TE-17-18B		FB5006	1-410-396-41	FERRITE	0.45µH	
D5013	8-719-069-56	DIODE	UDZSTE-176.2B		FB6001	1-410-396-41	FERRITE	0.45µH	
D5014	8-719-988-61	DIODE	1SS355TE-17		FB6004	1-216-295-91	SHORT CHIP		
					FB6005	1-216-295-91	SHORT CHIP		
D5015	8-719-988-61	DIODE	1SS355TE-17		FB6006	1-216-295-91	SHORT CHIP		
D5016	8-719-083-44	DIODE	FSQ05A04						
D5017	8-719-073-25	DIODE	S1VBA20		FB6007	1-216-295-91	SHORT CHIP		
D5017	8-719-056-84	DIODE	UDZ-TE-17-7.5B		FB6013	1-410-397-21	FERRITE	1.1µH	
D5010	8-719-988-61	DIODE	1SS355TE-17		FB6014	1-410-397-21	FERRITE	1.1µH	
D3019	0-7 19-900-01	DIODL	100000112-17		FB6015	1-410-397-21	FERRITE	1.1µH	
D5020	8-719-988-61	DIODE	1SS355TE-17		FB6016	1-410-397-21	FERRITE	1.1µH	
D5020 D5021	8-719-988-61	DIODE	1SS355TE-17						
						FUSE HOLDER			
D5022	8-719-988-61	DIODE	1SS355TE-17		^				
D5023	8-719-988-61	DIODE	1SS355TE-17		⚠ FH6001	1-533-223-11	FUSE HOLDER	0A	0V
D5024	8-719-988-61	DIODE	1SS355TE-17		⚠ FH6002	1-533-223-11	FUSE HOLDER	0A	0V
D5025	8-719-988-61	DIODE	1SS355TE-17			<u>IC</u>			
D5026	8-719-988-61	DIODE	1SS355TE-17			<u>10</u>			
D5027	8-719-069-54	DIODE	UDZSTE-175.1B		⚠ IC501	8-749-012-13	IC	DM-58	
D5031	8-719-988-61	DIODE	1SS355TE-17		IC5002	8-759-103-93	IC	UPC393C	
D5033	8-719-988-61	DIODE	1SS355TE-17		IC5003	8-759-701-84	IC	NJM7905FA	
					IC5004	8-759-640-19	IC	PQ1CG2032FZ	
D5034	8-719-083-60	DIODE	UDZSTE-174.7B		⚠ IC5005	8-759-198-31	IC	UPC1093J-1-T	
D6001	8-719-988-61	DIODE	1SS355TE-17						
D6002	8-719-948-45	DIODE	ERA22-08		IC5006	8-759-471-81	IC	PQ05RD11	
D6003	8-719-070-63	DIODE	PDZ10B-115		IC6003	8-759-670-30	IC	MCZ3001D	
D6004	8-719-988-61	DIODE	1SS355TE-17						
D0001	0 1 10 000 01	BIODE	1000012 17			CHIP CONDUCTO	<u>DR</u>		
D6005	8-719-988-61	DIODE	1SS355TE-17		IDEANA	4 040 004 44	CHODT CHID		
D6006	8-719-063-70	DIODE	D1NL20U		JR5002	1-216-864-11	SHORT CHIP		
D6007	8-719-022-99	DIODE	D6SB60L		JR5003	1-216-295-91	SHORT CHIP		
D6009	8-719-083-60	DIODE	UDZSTE-174.7B			0011			
D6011	8-719-988-61	DIODE	1SS355TE-17			COIL			
50011	0 1 10 000 01	BIODE	10000012 11		L5001	1-412-523-41	INDUCTOR	6.8µH	
D6012	6-500-158-01	DIODE	10ERA60-TA2B5		L5002	1-412-523-41	INDUCTOR	6.8μH	
D6012	8-719-083-60	DIODE	UDZSTE-174.7B		L5002	1-412-529-11	INDUCTOR	0.ομ11 22μH	
D6013	8-719-068-00	DIODE	ERC04-06SE		L5003	1-412-531-31	INDUCTOR	33µH	
D6023	8-719-068-00	DIODE	ERC04-06SE		L5004	1-412-527-11	INDUCTOR	35μH	
D6030	8-719-063-70	DIODE	D1NL20U		LJUUJ	1- 1 12-021-11	II ADOUTON	ισμιι	
מטטט	U-1 10-000-10	DIODL	DINLL		L5006	1-412-533-21	INDUCTOR	47µH	
	<u>FUSE</u>				L5007	1-412-533-21	INDUCTOR	47μΠ 47μΗ	
	<u> 1 00L</u>							•	
⚠ F6001	1-576-193-11	FUSE	6.3A	125V					
⚠ F6001	1-576-193-11	FUSE	6.3A	125V	L5008 L5009	1-412-529-11 1-412-529-11	INDUCTOR INDUCTOR	22µН 22µН	



	REF.NO.	PART NO.	DESCRIPTION	VALUES		REF.NO.	PART NO.	DESCRIPTION	VALU	JES	
	L5010	1-412-521-31	INDUCTOR	4.7µH		R5019	1-216-857-11	METAL CHIP	1M	5%	1/10W
	L5011	1-412-521-31	INDUCTOR	4.7μH		R5020	1-216-821-11	METAL CHIP	1K	5%	1/10W
	L5012	1-406-663-21	INDUCTOR	47μH		R5021	1-216-821-11	METAL CHIP	1K	5%	1/10W
	L5013	1-412-525-31	INDUCTOR	10µH		⚠ R5022	1-218-708-11	METAL CHIP	4.7K	0.50%	
	L5014	1-406-663-21	INDUCTOR	47μH		∴ R5022	1-218-750-11	METAL CHIP	270K	0.50%	
	L3014	1-400-003-21	INDUCTOR	47μΠ		Z:∆ N3023	1-210-730-11	WIL TAL CITIF	2701	0.50 /6	1/1000
	L5015	1-424-862-11	INDUCTOR	33µH		R5024	1-218-682-11	METAL CHIP	390	0.50%	
	L5016	1-406-663-21	INDUCTOR	47µH		R5025	1-218-697-11	METAL CHIP	1.6K	0.50%	1/10W
	L5017	1-412-537-31	INDUCTOR	100μH		R5026	1-216-833-11	METAL CHIP	10K	5%	1/10W
<u>^!\</u>	L6001	1-437-479-11	TRANSFORMER, LINE	E FILTER		R5027	1-216-821-11	METAL CHIP	1K	5%	1/10W
<u>^</u> !\	L6002	1-437-479-11	TRANSFORMER, LINE	E FILTER		R5028	1-216-821-11	METAL CHIP	1K	5%	1/10W
	L6003	1-424-862-11	INDUCTOR	33µH							
						R5029	1-216-837-11	METAL CHIP	22K	5%	1/10W
		PHOTO COUPLE	<u>:R</u>			R5030	1-216-837-11	METAL CHIP	22K	5%	1/10W
Δ	D110001		D. 1070 0011D1 5D	0110171		R5032	1-249-415-11	CARBON	680	5%	1/4W
<u>(İ</u>	PH6001	8-749-924-35	PHOTO COUPLER	ON3171-R		R5034	1-216-833-11	METAL CHIP	10K	5%	1/10W
<u>/!\</u>	PH6002	8-749-924-35	PHOTO COUPLER	ON3171-R		R5035	1-216-819-11	METAL CHIP	680	5%	1/10W
		IC LINK				DECCO		METAL OLUB	200	=0/	4440044
						R5036	1-216-819-11	METAL CHIP	680	5%	1/10W
<u> </u>	PS5001	1-533-597-31	IC LINK	5A 90V		R5037	1-216-821-11	METAL CHIP	1K	5%	1/10W
<u>^</u>	PS5002	1-533-597-31	IC LINK	5A 90V		R5038	1-216-821-11	METAL CHIP	1K	5%	1/10W
						R5039	1-216-864-11	SHORT CHIP			
		TRANSISTOR				R5040	1-216-833-11	METAL CHIP	10K	5%	1/10W
	Q5001	8-729-050-50	TRANSISTOR	2SD1782K-T146-R		R5041	1-215-866-11	METAL OXIDE	330	5%	1W
	Q5002	8-729-120-28	TRANSISTOR	2SC1623-L5L6		R5042	1-216-833-11	METAL CHIP	10K	5%	1/10W
	Q5003	8-729-026-49	TRANSISTOR	2SA1037AK-T146-F	₹	R5042	1-216-821-11	METAL CHIP	1K	5%	1/10W
	Q5004	8-729-120-28	TRANSISTOR	2SC1623-L5L6	`						
	Q5005	8-729-027-23	TRANSISTOR	DTA114EKA-T146		R5044	1-216-821-11	METAL CHIP	1K	5%	1/10W
	Q0000	0 120 021 20	TIV WOISTOIL	DIMITALINATIO		R5045	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
	Q5006	8-729-901-87	TRANSISTOR	2SC2411K-CQ		R5047	1-216-833-11	METAL CHIP	10K	5%	1/10W
	Q5007	8-729-026-49	TRANSISTOR	2SA1037AK-T146-F	₹	R5048	1-216-833-11	METAL CHIP	10K	5%	1/10W
	Q6005	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31		R6002	1-240-251-11	CEMENTED	6.8	5%	10W
	Q6006	8-729-052-32	TRANSISTOR	IRFIB7N50A-LF31		R6003	1-260-328-11	CARBON	1K	5%	1/2W
						R6004	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
		RESISTOR									
	R5005	1-218-867-11	METAL CHIP	6.8K 0.50%	1/10W	R6006	1-216-430-11	METAL OXIDE	390	5%	1W
	R5006	1-216-833-11	METAL CHIP		1/10W	R6007	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
	R5007	1-249-377-11	CARBON		1/4W	R6008	1-216-845-11	METAL CHIP	100K	5%	1/10W
	R5010	1-247-903-00	CARBON		1/4W	⚠ R6015	1-219-776-11	CARBON	2.2M	10%	1/2W
	R5011	1-216-818-11	METAL CHIP		1/10W	R6036	1-218-715-11	METAL CHIP	9.1K	0.50%	1/10W
						R6037	1-215-481-00	METAL	330K	1%	1/4W
	R5012	1-216-361-00	METAL OXIDE		2W	R6038	1-215-481-00	METAL	330K	1%	1/4VV 1/4W
	R5013	1-216-833-11	METAL CHIP		1/10W						
	R5014	1-216-829-11	METAL CHIP	4.7K 5%	1/10W	R6039	1-216-851-11	METAL CHIP	330K	5%	1/10W
	R5015	1-218-708-11	METAL CHIP	4.7K 0.50%	1/10W	R6040	1-215-481-00	METAL OLUB	330K	1%	1/4W
	R5016	1-216-833-11	METAL CHIP	10K 5%	1/10W	R6041	1-218-668-11	METAL CHIP	100	0.50%	1/10W
	R5017	1 216 020 44	METAL CHIP	4.7K 5%	1/10W	R6042	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
		1-216-829-11				R6045	1-218-675-11	METAL CHIP	200		1/10W
	R5018	1-216-821-11	METAL CHIP	1K 5%	1/10W	R6046	1-216-813-11	METAL CHIP	220	5%	1/10W
						R6047	1-216-813-11	METAL CHIP	220	5%	1/10W
					l	1.0011	5 5 15 11			370	



REF.NO.	PART NO.	DESCRIPTION	VALUE	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R6050	1-249-417-11	CARBON	1K	5%	1/4W	C7013	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R6054	1-249-393-11	CARBON	10	5%	1/4W	C7014	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R6056	1-260-131-11	CARBON	470K	5%	1/2W	C7015	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R6057	1-260-131-11	CARBON	470K	5%	1/2W	C7016	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R6058	1-249-393-11	CARBON	10	5%	1/4W	C7017	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R6062	1-216-833-11	METAL CHIP	10K	5%	1/10W	C7018	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
R6063	1-216-833-11	METAL CHIP	10K	5%	1/10W	C7019	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
R6064	1-202-933-61	FUSIBLE	0.1	10%	1/2W	C7020	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
R6076	1-243-979-71	METAL OXIDE	0.1	5%	2W	C7021	1-124-779-00	ELECT CHIP	10μF	20%	16V
R6080	1-243-979-71	METAL OXIDE	0.1	5%	2W	C7022	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
R6081	1-249-393-11	CARBON	10	5%	1/4W	C7023	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
						C7024	1-124-779-00	ELECT CHIP	10μF	20%	16V
	<u>RELAY</u>					C7025	1-164-156-11	CERAMIC CHIP	0.1µF		25V
Α		DEL AVVIA DELL'EST				C7026	1-124-779-00	ELECT CHIP	10μF	20%	16V
⚠ RY6002⚠ RY6003	1-755-395-11 1-755-395-11	RELAY (AC POWER) RELAY (AC POWER)				C7027	1-164-156-11	CERAMIC CHIP	0.1µF		25V
		,				C7028	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	TRANSFORMER					C7029	1-164-156-11	CERAMIC CHIP	0.1µF		25V
1 16001	1-437-436-11	CONVERTER TRANSF	ORMER (F	PIT)		C7030	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
T6004	1-435-675-11	TRANSFORMER, STA	,	,		C7031	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
10001		THE WOLLT OF WILLY, OTHER				C7032	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
	THERMISTOR					C7033	1-124-779-00	ELECT CHIP	10μF	20%	16V
TH6002	1-804-475-21	POSISTOR				C7034	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C7035	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	<u>VARISTOR</u>					C7036	1-164-156-11	CERAMIC CHIP	0.1µF		25V
VD6001	1-801-073-31	VARISTOR	ERZV14	D471		C7037	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C7038	1-164-156-11	CERAMIC CHIP	0.1µF		25V
<u> </u>						C7039	1-126-395-11	ELECT CHIP	22µF	20%	16V
Due to t	he complexity of	this board, performin	a compo	nont lo	val field	C7040	1-162-921-11	CERAMIC CHIP	33pF	5%	50V
		ded. If service is requ				C7041	1-164-156-11	CERAMIC CHIP	0.1µF		25V
replace	ment is the prefer	red repair method.	iieu, coii	ipiete b	oaru	C7042	1-164-156-11	CERAMIC CHIP	0.1µF		25V
Data is	provided for refer	ence only.				C7043	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	A-1300-324-A	UD BOARD, COMP	LETE			C7044	1-164-156-11	CERAMIC CHIP	0.1μF		25V
	A-1300-324-A	JD BOAKD, COMP				C7044	1-164-156-11	CERAMIC CHIP	0.1μΓ 0.1μF		25V
	CAPACITOR					C7045	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
	271171011					C7040	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C7001	1-126-395-11	ELECT CHIP	22µF	20%	16V	0,04,	1 10T 100-11	OLI WIND OF H	υ. τμι		20 V
C7002	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C7048	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C7004	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C7048	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V
C7005	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C7049 C7050	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V
C7006	1-124-779-00	ELECT CHIP	10μF	20%	16V	C7050	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V
C7007	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C7052	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C7008	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	07052	1 16/ 156 11	CEDAMIC CLUD	0.400		25/
C7010	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C7053	1-164-156-11	CERAMIC CHIP	0.1µF	200/	25V
C7011	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C7056	1-126-395-11	ELECT CHIP	22µF	20%	16V
C7012	1-124-779-00	ELECT CHIP	10µF	20%	16V	C7057	1-162-921-11	CERAMIC CHIP	33pF	5%	50V
J. V.E	0 00		. • p.,	_0,0		C7058	1-164-156-11	CERAMIC CHIP	0.1µF		25V



RE	EF.NO.	PART NO.	DESCRIPTION	VALUE	s		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
C	7059	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC7006	8-759-641-86	IC	BR24C16	F-E2	
C	7060	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC7007	6-702-170-01	IC	PACDN0	06S	
C	7061	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC7008	6-702-170-01	IC	PACDN0	06S	
C	7062	1-164-156-11	CERAMIC CHIP	0.1µF		25V	IC7009	6-702-170-01	IC	PACDN0	06S	
C	7064	1-126-395-11	ELECT CHIP	22μF	20%	16V						
C.	7065	1 160 070 11	CEDAMIC CUID	0.04	10%	25V		COIL				
	7065 7066	1-162-970-11 1-162-970-11	CERAMIC CHIP	0.01µF	10%		L7001	1-412-058-11	INDUCTOR	10µH		
	7066 7067		CERAMIC CHIP CERAMIC CHIP	0.01µF	10%	25V 25V	L7002	1-412-058-11	INDUCTOR	10μΗ		
	7067 7068	1-162-970-11		0.01µF	10%	25V 25V				·		
	7066 7069	1-162-970-11 1-162-970-11	CERAMIC CHIP CERAMIC CHIP	0.01µF 0.01µF	10%	25V 25V		RESISTOR				
C.	1009	1-102-970-11	CERAWIC CHIP	υ.υ ιμΓ	1070	237	D7000	4 040 004 44	METAL OLUB	417	5 0/	4/40/4/
C.	7070	1-164-156-11	CERAMIC CHIP	0.1µF		25V	R7003	1-216-821-11	METAL CHIP	1K	5%	1/10W
	7071	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	R7004	1-218-852-11	METAL CHIP	1.6K	0.50%	
	7078	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	R7007	1-216-821-11	METAL CHIP	1K	5%	1/10W
	7079	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V	R7012	1-216-821-11	METAL CHIP	1K	5%	1/10W
	7079 7080	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V	R7013	1-216-821-11	METAL CHIP	1K	5%	1/10W
							R7014	1-216-821-11	METAL CHIP	1K	5%	1/10W
		CONNECTOR					R7015	1-216-833-11	METAL CHIP	10K	5%	1/10W
							R7016	1-216-833-11	METAL CHIP	10K	5%	1/10W
	N7001	1-816-228-21	CONNECTOR, DVI				R7020	1-216-833-11	METAL CHIP	10K	5%	1/10W
	N7002	1-564-526-11	PLUG, CONNECTOR	11P			R7020	1-216-833-11	METAL CHIP	10K	5%	1/10W
* CI	N7004	1-564-519-11	PLUG, CONNECTOR	4P			TOZI	1 210 000 11	ME I/IE OF III	TOIX	070	171011
		DIODE					R7023	1-216-833-11	METAL CHIP	10K	5%	1/10W
		DIODE					R7024	1-216-833-11	METAL CHIP	10K	5%	1/10W
D7	7001	8-719-914-43	DIODE	DAN202K	(R7025	1-216-833-11	METAL CHIP	10K	5%	1/10W
D.	7002	8-719-069-55	DIODE	UDZSTE-	-175.6B		R7026	1-216-833-11	METAL CHIP	10K	5%	1/10W
D7	7003	8-719-069-55	DIODE	UDZSTE-	-175.6B		R7029	1-218-692-11	METAL CHIP	1K	0.50%	1/10W
D	7004	8-719-069-55	DIODE	UDZSTE-	-175.6B							
D	7006	8-719-069-55	DIODE	UDZSTE-	-175.6B		R7030	1-216-864-11	SHORT CHIP			
							R7032	1-218-676-11	METAL CHIP	220	0.50%	1/10W
		FERRITE BEAD					R7034	1-218-676-11	METAL CHIP	220	0.50%	1/10W
	B7001	1-414-760-21	FERRITE	0µH			R7036	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
	B7001 B7002	1-414-760-21	FERRITE	υμπ 0μΗ			R7037	1-218-676-11	METAL CHIP	220	0.50%	1/10W
	B7003	1-414-760-21	FERRITE	0μΗ			D7044	4 040 000 44	METAL CLUD	4017	F 0/	4/40\4/
	B7004	1-414-760-21	FERRITE	0μH			R7041	1-216-833-11	METAL CHIP	10K	5%	1/10W
				- 1			R7043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
		<u>FILTER</u>					R7044	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
							R7045	1-216-833-11	METAL CHIP	10K	5%	1/10W
	L7001	1-400-087-21	FILTER, EMI REMOVAL	(SMD)			R7047	1-216-833-11	METAL CHIP	10K	5%	1/10W
	L7002	1-234-560-21	FILTER, LOW PASS				D7051	1 216 064 11	SHORT CHIP			
	L7003	1-234-559-21	FILTER, LOW PASS				R7051 R7053	1-216-864-11 1-216-833-11		10K	5%	1/10W
FL	L7004	1-234-559-21	FILTER, LOW PASS				R7053 R7054	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W
									METAL CHIP			1/10W
		<u>IC</u>					R7056	1-216-833-11	METAL CHIP	10K	5%	1/1000
IC	7001	8-759-640-39	IC	BR24C02	F-WE2		R7057	1-216-864-11	SHORT CHIP			
	7002	8-749-015-18	IC	PQ07VZ0			R7058	1-216-833-11	METAL CHIP	10K	5%	1/10W
	7003	8-749-015-18	IC	PQ07VZ0			R7056 R7059	1-216-864-11	SHORT CHIP	IUN	J /0	1/ 1000
	7004	6-702-080-01	IC	GM7030-			R7059 R7060	1-216-833-11	METAL CHIP	10K	5%	1/10W
	7005	6-802-346-01	IC	ST72631F		NLTR	R7060 R7061					1/10W
,0		20201001	· -	520011			R7061 R7062	1-216-833-11	METAL CHIP	10K	5%	1/1044
							K/U02	1-216-864-11	SHORT CHIP			



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALUE	S	
R7065	1-216-833-11	METAL CHIP	10K	5%	1/10W	C3	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7066	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W	C4	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7067	1-216-833-11	METAL CHIP	10K	5%	1/10W	C5	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7068	1-216-801-11	METAL CHIP	22	5%	1/10W	C6	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7069	1-216-801-11	METAL CHIP	22	5%	1/10W	C7	1-126-933-11	ELECT	100µF	20%	16V
R7071	1-216-803-11	METAL CHIP	33	5%	1/10W	C8	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7072	1-216-803-11	METAL CHIP	33	5%	1/10W	C9	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
R7075	1-218-676-11	METAL CHIP	220	0.50%	1/10W	C10	1-162-974-11	CERAMIC CHIP	0.01µF		50V
R7080	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	C11	1-126-933-11	ELECT	100µF	20%	16V
R7087	1-218-680-11	METAL CHIP	330	0.50%	1/10W	C12	1-126-933-11	ELECT	100μF	20%	16V
R7096	1-216-833-11	METAL CHIP	10K	5%	1/10W	C13	1-164-739-11	CERAMIC CHIP	560pF	5%	50V
R7097	1-216-809-11	METAL CHIP	100	5%	1/10W	C14	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
R7098	1-216-809-11	METAL CHIP	100	5%	1/10W	C15	1-164-392-11	CERAMIC CHIP	390pF	5%	50V
R7099	1-216-809-11	METAL CHIP	100	5%	1/10W	C16	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
R7101	1-216-864-11	SHORT CHIP				C17	1-115-414-11	CERAMIC CHIP	820pF	5%	25V
R7106	1-216-833-11	METAL CHIP	10K	5%	1/10W	C18	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
R7108	1-216-805-11	METAL CHIP	47	5%	1/10W	C19	1-162-919-11	CERAMIC CHIP	22pF	5%	50V
R7109	1-216-805-11	METAL CHIP	47	5%	1/10W	C20	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7111	1-216-864-11	SHORT CHIP				C21	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7112	1-216-864-11	SHORT CHIP				C22	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7113	1-216-864-11	SHORT CHIP				C23	1-162-974-11	CERAMIC CHIP	0.01µF		50V
R7114	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	C24	1-126-947-11	ELECT	47μF	20%	35V
R7115	1-218-700-11	METAL CHIP	2.2K		1/10W	C25	1-126-947-11	ELECT	47μF	20%	35V
R7116	1-218-700-11	METAL CHIP	2.2K		1/10W	C26	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7117	1-218-668-11	METAL CHIP	100		1/10W	C27	1-126-947-11	ELECT	47μF	20%	35V
R7119	1-218-668-11	METAL CHIP	100	0.50%	1/10W	C28	1-162-974-11	CERAMIC CHIP	0.01µF		50V
R7121	1-216-864-11	SHORT CHIP				C29	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7123	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	C30	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7124	1-218-680-11	METAL CHIP	330	0.50%	1/10W	C31	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R7125	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	C32	1-126-964-11	ELECT	10μF	20%	50V
R7126	1-216-864-11	SHORT CHIP				C34	1-162-974-11	CERAMIC CHIP	0.01µF		50V
20						C35	1-126-947-11	ELECT	47µF	20%	35V
	CRYSTAL					C36	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C37	1-162-974-11	CERAMIC CHIP	0.01µF		50V
X7001	1-795-568-21	VIBRATOR, CRYSTAL				C38	1-126-934-11	ELECT	220µF	20%	16V
X7002	1-795-567-21	VIBRATOR, CRYSTAL									
lacksquare						C39	1-164-156-11	CERAMIC CHIP	0.1µF		25V
						C40	1-162-974-11	CERAMIC CHIP	0.01µF		50V
<u> </u>	A 4000 4== *	A DOADD COURT				C41	1-164-156-11	CERAMIC CHIP	0.1µF		25V
-	A-1302-177-A	A BOARD, COMPLE	16			C42	1-126-934-11	ELECT	220µF	20%	16V
	CAPACITOR					C43	1-164-156-11	CERAMIC CHIP	0.1µF		25V
24		FLEOT	400 =	0001	40) (044	1 100 047 44	FLECT	4 7 ⊏	200/	25/
C1	1-126-933-11	ELECT	100μF	20%	16V	C44	1-126-947-11	ELECT CERAMIC CHIR	47µF	20%	35V
C2	1-104-665-11	ELECT	100μF	20%	25V	C45	1-162-979-11	CERAMIC CHIP	0.0027µF	10%	50V
						C46	1-162-974-11	CERAMIC CHIP	0.01µF	100/	50V
						C47	1-162-979-11	CERAMIC CHIP	0.0027µF	10%	50V



REF.NO.	PART NO.	DESCRIPTION	VALUES	3			REF.NO.	PART NO.	DESCRIPTION	VALUE	s	
C49	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C102	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C51	1-126-947-11	ELECT	47μF	20%	35V	(C103	1-126-964-11	ELECT	10μF	20%	50V
C52	1-162-974-11	CERAMIC CHIP	0.01µF		50V	(C104	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C53	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C105	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C54	1-162-979-11	CERAMIC CHIP	0.0027µF	10%	50V		C106	1-126-933-11	ELECT	100µF	20%	16V
C55	1-162-979-11	CERAMIC CHIP	0.0027µF	10%	50V		C107	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C56	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C108	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C57	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C109	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C59	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C110	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C60	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C111	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C61	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C112	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C62	1-126-947-11	ELECT	47μF	20%	35V	(C113	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C63	1-126-935-11	ELECT	470μF	20%	16V	(C115	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C65	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C116	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C66	1-164-156-11	CERAMIC CHIP	0.1µF		25V	(C119	1-126-933-11	ELECT	100µF	20%	16V
C67	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C120	1-126-933-11	ELECT	100µF	20%	16V
C68	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C123	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C69	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C124	1-164-346-11	CERAMIC CHIP	1μF		16V
C70	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C125	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C73	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C128	1-162-960-11	CERAMIC CHIP	220pF	10%	50V
C74	1-126-964-11	ELECT	10µF	20%	50V		C129	1-165-176-11	CERAMIC CHIP	0.047µF	10%	16V
C75	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C130	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C76	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V		C131	1-126-961-11	ELECT	2.2µF	20%	50V
C77	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C132	1-126-935-11	ELECT	470µF	20%	16V
C78	1-104-665-11	ELECT	100µF	20%	25V		C133	1-126-964-11	ELECT	10μF	20%	50V
C79	1-126-933-11	ELECT	100µF	20%	16V		C134	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C80	1-126-967-11	ELECT	47µF	20%	50V		C135	1-126-964-11	ELECT	10μF	20%	50V
C81	1-104-665-11	ELECT	100µF	20%	25V		C136	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C82	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C137	1-126-964-11	ELECT	10μF	20%	50V
C83	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C138	1-126-964-11	ELECT	10µF	20%	50V
C84	1-126-933-11	ELECT	100µF	20%	16V		C139	1-126-964-11	ELECT	10µF	20%	50V
C86	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C140	1-126-933-11	ELECT	100µF	20%	16V
C87	1-126-960-11	ELECT	1μF	20%	50V		C141	1-126-933-11	ELECT	100µF	20%	16V
C88	1-126-933-11	ELECT	100µF	20%	16V		C142	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C90	1-126-964-11	ELECT	10µF	20%	50V		C143	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C92	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C144	1-126-964-11	ELECT	10µF	20%	50V
C93	1-126-964-11	ELECT	10μF	20%	50V		C145	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C94	1-164-346-11	CERAMIC CHIP	1υμι 1μF	_0 /0	16V		C148	1-102-376-11	ELECT	0.01μΓ 100μF	20%	25V
C95	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C149	1-126-933-11	ELECT	100μΓ 100μF	20%	16V
C96	1-164-156-11	CERAMIC CHIP	0.1μF	1070	25V		C150	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V
C97	1-164-315-11	CERAMIC CHIP	470pF	5%	50V		C151	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C98	1-126-960-11	ELECT	470ρι 1μF	20%	50V		C301	1-162-970-11	CERAMIC CHIP	0.1μF	10%	25V
C99	1-165-176-11	CERAMIC CHIP	1μ1 0.047μF	10%	16V		C302	1-102-970-11	CERAMIC CHIP	0.01μ1 1μF	10%	6.3V
C101	1-162-960-11	CERAMIC CHIP	220pF	10%	50V		C303	1-123-037-31	CERAMIC CHIP	0.1μF	10%	16V
CIUI	1-102-200-11	OLIVAIVIIO ONIF	ZZUPF	10 /0	JUV	- 1	JJUJ	1-101-020-11	OLIVAINIO ONIF	υ. ιμΓ	10 /0	107



REF.NO.	PART NO.	DESCRIPTION	VALUES	3			REF.NO.	PART NO.	DESCRIPTION	VALUE	S	
C304	1-164-315-11	CERAMIC CHIP	470pF	5%	50V		C349	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C305	1-162-917-11	CERAMIC CHIP	15pF	5%	50V		C350	1-126-935-11	ELECT	470µF	20%	16V
C306	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C351	1-164-156-11	CERAMIC CHIP	0.1µF	_0,,	25V
C307	1-164-156-11	CERAMIC CHIP	0.1μF	1070	25V		C352	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C308	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V		C353	1-107-826-11	CERAMIC CHIP	0.47 μι 0.1μF	10%	16V
0300	1-120-031-11	OLIVAIVIIO OI III	υ.+/μι	10 /0	10 V		0000	1-107-020-11	OLIVAINIO OTIII	υ. τμι	10 /0	100
C309	1-126-933-11	ELECT	100µF	20%	16V		C354	1-126-963-11	ELECT	4.7µF	20%	50V
C310	1-126-964-11	ELECT	10μF	20%	50V		C355	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C311	1-126-933-11	ELECT	100µF	20%	16V		C356	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C312	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C357	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C313	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C358	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C314	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C359	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C315	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C360	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C316	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V		C361	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C317	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C362	1-164-156-11	CERAMIC CHIP	0.1μF	1070	25V
C318	1-164-156-11	CERAMIC CHIP	0.1μF	10 /0	25V		C363	1-126-933-11	ELECT	100μF	20%	16V
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C319	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C364	1-126-933-11	ELECT	100µF	20%	16V
C320	1-126-963-11	ELECT	4.7µF	20%	50V		C365	1-126-933-11	ELECT	100µF	20%	16V
C321	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C366	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C322	1-126-933-11	ELECT	100µF	20%	16V		C367	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V
C323	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C368	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C325	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C369	1-126-933-11	ELECT	100µF	20%	16V
C326	1-164-315-11	CERAMIC CHIP	470pF	5%	50V		C370	1-126-933-11	ELECT	100μF	20%	16V
C327	1-162-917-11	CERAMIC CHIP	15pF	5%	50V		C371	1-126-933-11	ELECT	100μF	20%	16V
C328	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V		C372	1-126-933-11	ELECT	100μΓ 100μF	20%	16V
C329	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V		C373	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V
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C330	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C374	1-126-933-11	ELECT	100μF	20%	16V
C331	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C375	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C332	1-126-964-11	ELECT	10µF	20%	50V		C376	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C333	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C377	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C334	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C378	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C335	1-126-933-11	ELECT	100μF	20%	16V		C379	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C336	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V		C380	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C337	1-107-826-11	CERAMIC CHIP	0.47 μι 0.1μF	10%	16V		C381	1-107-826-11	CERAMIC CHIP	0.001μΓ 0.1μF	10%	16V
C338	1-126-963-11	ELECT	4.7μF	20%	50V		C382	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
C339	1-107-826-11	CERAMIC CHIP	4.7μF	10%	16V		C383	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V
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C340	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C384	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C341	1-162-968-11	CERAMIC CHIP	0.0047µF		50V		C385	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C342	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C386	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C343	1-126-963-11	ELECT	4.7µF	20%	50V		C387	1-126-964-11	ELECT	10μF	20%	50V
C344	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C388	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C345	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C389	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C346	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C390	1-126-964-11	ELECT	10μF	20%	50V
C347	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C391	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C348	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C392	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
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REF.NO.	PART NO.	DESCRIPTION	VALUE	3		REF.NO.	PART NO.	DESCRIPTION	VALUE	:S	
C393	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C468	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C394	1-126-933-11	ELECT	100µF	20%	16V	C470	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C395	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C472	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C396	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C476	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C397	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C477	1-127-760-11	CERAMIC CHIP	4.7μF	10%	6.3V
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C398	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C478	1-216-864-11	SHORT CHIP			
C399	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C479	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C400	1-126-933-11	ELECT	100µF	20%	16V	C480	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C401	1-162-917-11	CERAMIC CHIP	15pF	5%	50V	C481	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C402	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C482	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C404	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C483	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C405	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C484	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C406	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V	C485	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C407	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V	C486	1-115-467-11	CERAMIC CHIP	0.22µF	10%	10V
C408	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V	C487	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C410	1-126-934-11	ELECT	220µF	20%	16V	C488	1-126-933-11	ELECT	100µF	20%	16V
C413	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C489	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V
C414	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V	C490	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C415	1-125-837-91	CERAMIC CHIP	1μF	10%	6.3V	C494	1-126-933-11	ELECT	100µF	20%	16V
C416	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C495	1-164-156-11	CERAMIC CHIP	0.1µF		25V
0447	4 400 000 44	FLEOT	400 5	000/	40) (0.40=	4 400 000 44	EL E.O.T.	400 5	000/	40) (
C417	1-126-933-11	ELECT	100µF	20%	16V	C497	1-126-933-11	ELECT	100μF	20%	16V
C418	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C498	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C422	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C500	1-164-816-11	CERAMIC CHIP	220pF	2.00%	
C423	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C501	1-162-974-11	CERAMIC CHIP	0.01µF	0.000/	50V
C426	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C502	1-164-816-11	CERAMIC CHIP	220pF	2.00%	50V
C427	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	C503	1-164-816-11	CERAMIC CHIP	220pF	2.00%	50V
C431	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C504	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V
C435	1-126-933-11	ELECT	100µF	20%	16V	C505	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C438	1-126-933-11	ELECT	100µF	20%	16V	C506	1-164-816-11	CERAMIC CHIP	220pF	2.00%	50V
C439	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C507	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V
C440	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C701	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C442	1-135-834-91	CERAMIC CHIP	2.2E+06p	F	6.3V	C702	1-126-964-11	ELECT	10μF	20%	50V
C443	1-126-933-11	ELECT	100µF	20%	16V	C703	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C444	1-110-563-11	CERAMIC CHIP	0.068µF	10%	16V	C704	1-126-947-11	ELECT	47µF	20%	35V
C449	1-125-837-91	CERAMIC CHIP	1µF	10%	6.3V	C705	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C455	1-130-495-00	MYLAR	0.1µF	5%	50V	C706	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C455 C457	1-130-495-00	CERAMIC CHIP	0.1μF 0.1μF	10%	16V	C700	1-164-156-11	CERAMIC CHIP	0.1μF 0.1μF		25V 25V
C458		FILM	0.1μF	2.00%		C707	1-104-130-11	ELECT	-	200/	25V
C456 C460	1-136-244-11 1-107-826-11	CERAMIC CHIP	υ. ιμ r 0.1μF	2.00% 10%	16V	C708	1-104-005-11	CERAMIC CHIP	100μF 27pF	20% 5%	50V
C460	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V	C710	1-162-920-11	CERAMIC CHIP	27pF	5%	50V
O 1 01	1-101-020-11	OLIVAIVIIO OLIIF	υ. ιμΓ	10 /0	10 V	0710	1-102-313-11	OLIVAIVIIO OHIIF	ZZPI	J /0	JU V
C463	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C713	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C464	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C714	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C466	1-162-923-11	CERAMIC CHIP	47pF	5%	50V	C719	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C467	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C722	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V



REF.NO.	PART NO.	DESCRIPTION	VALUES	8			REF.NO.	PART NO.	DESCRIPTION	VALUI	ES	
C728	1-126-933-11	ELECT	100µF	20%	16V		C798	1-165-908-11	CERAMIC CHIP	1µF	10%	10V
C730	1-162-915-11	CERAMIC CHIP	10pF	0.50pF			C799	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C731	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C800	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C732	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C801	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C733	1-115-416-11	CERAMIC CHIP	0.001µF	5%	25V		C802	1-126-935-11	ELECT	470μF	20%	16V
0700	1 110 410 11	OLIVIMIO OIIII	0.00 τμι	070	201		0002	1 120 000 11	LLLOT	τι ομι	2070	101
C739	1-126-963-11	ELECT	4.7µF	20%	50V		C803	1-126-933-11	ELECT	100µF	20%	16V
C740	1-126-963-11	ELECT	4.7µF	20%	50V		C804	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C741	1-126-963-11	ELECT	4.7µF	20%	50V		C805	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C744	1-126-935-11	ELECT	470µF	20%	16V		C806	1-165-908-11	CERAMIC CHIP	1μF	10%	10V
C745	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C807	1-126-933-11	ELECT	100µF	20%	16V
C746	1-126-947-11	ELECT	47µF	20%	35V		C808	1-165-908-11	CERAMIC CHIP	1µF	10%	10V
C747	1-126-947-11	ELECT	47μF	20%	35V		C809	1-164-156-11	CERAMIC CHIP	0.1μF	10 /0	25V
C749	1-126-947-11	ELECT	47μF	20%	35V		C810	1-126-947-11	ELECT	47μF	20%	35V
C749 C751	1-126-947-11	ELECT	47μΓ 2200μF	20%	25V		C811	1-120-947-11	CERAMIC CHIP	47μΓ 0.1μF	10%	16V
C751	1-126-943-11	ELECT	2200μF 2200μF	20%	25V 25V		COTT	1-107-020-11	CERAIVIIC CHIP	υ. ιμΓ	1070	100
0.02	0 0.0		v.					CONNECTOR				
C755	1-126-947-11	ELECT	47µF	20%	35V	*	CN1	1 770 000 11	CONNECTOR ROADS	TO DO ADI	,	10P
C757	1-130-495-00	MYLAR	0.1µF	5%	50V	*	CN1 CN2	1-779-892-11 1-779-892-11	CONNECTOR, BOARD			10P 10P
C758	1-126-947-11	ELECT	47µF	20%	35V	*			CONNECTOR, BOARD			
C761	1-136-169-00	FILM	0.22µF	5%	50V	*	CN3	1-779-892-11	CONNECTOR, BOARD	TO BOARL	J	10P
C762	1-104-665-11	ELECT	100μF	20%	25V	"	CN4	1-564-510-11	PLUG, CONNECTOR	TO DO A DE	,	7P
							CN5	1-573-979-22	CONNECTOR, BOARD	TO BOARL)	11P
C763	1-136-153-00	FILM	0.01µF	5%	50V	*	CN6	1-793-922-11	CONNECTOR, DIN (RE	CEPTACI E	=)	64P
C764	1-130-495-00	MYLAR	0.1µF	5%	50V	*	CN7	1-564-508-11	PLUG, CONNECTOR	OLI INOLE	-/	5P
C765	1-136-153-00	FILM	0.01µF	5%	50V		CN8	1-695-915-11	TAB (CONTACT)			OI .
C767	1-136-287-11	FILM	0.0047µF		100V	*	CN9	1-564-509-11	PLUG, CONNECTOR			6P
C771	1-130-495-00	MYLAR	0.1µF	5%	50V	*	CN10	1-564-511-11	PLUG, CONNECTOR			8P
C772	1-130-495-00	MYLAR	0.1µF	5%	50V							
C773	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V		CN11	1-573-298-21	CONNECTOR, BOARD			20P
C774	1-136-287-11	FILM	0.0047µF		100V		CN12	1-573-298-21	CONNECTOR, BOARD			20P
C775	1-136-169-00	FILM	0.22µF	5%	50V	*	CN13	1-793-922-11	CONNECTOR, DIN (RE		,	64P
C776	1-136-287-11	FILM	0.0047µF		100V	*	CN14	1-779-892-11	CONNECTOR, BOARD	TO BOARI)	10P
00			٠.٠٠٠ هـ.	0,10			CN15	1-695-915-11	TAB (CONTACT)			
C780	1-104-665-11	ELECT	100μF	20%	25V	*	CN16	1-564-506-11	PLUG, CONNECTOR			3P
C784	1-137-367-11	MYLAR	0.0033µF		50V	*	CN17	1-564-508-11	PLUG, CONNECTOR			5P
C785	1-137-367-11	MYLAR	0.0033µF		50V	*	CN18	1-564-508-11	PLUG, CONNECTOR			5P
C786	1-136-159-00	FILM	0.033µF	5%	50V	*	CN19	1-564-508-11	PLUG, CONNECTOR			5P
C787	1-136-159-00	FILM	0.033µF	5%	50V		CN21	1-695-915-11	TAB (CONTACT)			OI .
C788	1-137-365-11	MYLAR	0.0015µF	5%	50V				,			
C790	1-137-365-11	MYLAR	0.0015µF		50V		CN22	1-695-915-11	TAB (CONTACT)			
C791	1-136-169-00	FILM	0.22µF	5%	50V	*	CN23	1-564-507-11	PLUG, CONNECTOR			4P
C792	1-136-169-00	FILM	0.22µF	5%	50V	*	CN24	1-564-510-11	PLUG, CONNECTOR			7P
C793	1-128-934-91	CERAMIC CHIP	0.33µF	20%	10V	*	CN701	1-564-507-11	PLUG, CONNECTOR			4P
-:- *	• .		I	•	- 1	*	CN702	1-564-509-11	PLUG, CONNECTOR			6P
C794	1-165-908-11	CERAMIC CHIP	1µF	10%	10V	*	CN703	1-564-509-11	PLUG, CONNECTOR			6P
C795	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	*	CN703	1-564-509-11	PLUG, CONNECTOR			6P
C796	1-165-908-11	CERAMIC CHIP	1μF	10%	10V	*	CN705	1-564-507-11	PLUG, CONNECTOR			4P
C797	1-165-908-11	CERAMIC CHIP	1µF	10%	10V	*	CN706	1-564-507-11	PLUG, CONNECTOR			4P
							011100	1 007 001-11	. LOO, CONNECTOR			71



REF.NO.	PART NO.	DESCRIPTION	VALUES	REF.NO.	PART NO.	DESCRIPTION	VALUES
	DIODE				<u>FILTER</u>		
D1	8-719-404-50	DIODE	MA111-TX	FL4	1-239-848-21	FILTER, LOW PASS	
D5	8-719-083-87	DIODE	UDZS-TE17-33B	FL5	1-239-848-21	FILTER, LOW PASS	
D7	8-719-069-55	DIODE	UDZSTE-175.6B	FL6	1-239-848-21	FILTER, LOW PASS	
D307	8-719-978-33	DIODE	DTZ-TT11-6.8B	FL7	1-239-848-21	FILTER, LOW PASS	
D312	8-719-069-55	DIODE	UDZSTE-175.6B	1 1 1	1-200-0-21	TILILIN, LOW TAGO	
D312	0-7 19-009-33	DIODE	UDZ31E-173.0B		<u>IC</u>		
D317	8-719-404-50	DIODE	MA111-TX		<u>10</u>		
D318	8-719-404-50	DIODE	MA111-TX	IC1	8-759-647-10	IC	UPC2933HF
D319	8-719-404-50	DIODE	MA111-TX	IC2	8-759-653-07	IC	PQ09RD21
		DIODE		IC3	8-759-830-08	IC	NJM2068V-TE2
D321	8-719-404-50		MA111-TX	IC4	8-759-569-92	IC	NJM2370U09-TE2
D701	8-719-404-50	DIODE	MA111-TX	IC5	8-759-100-96	IC	UPC4558G2
D702	8-719-404-50	DIODE	MA111-TX				
D702	8-719-083-57	DIODE	UDZSTE-173.6B	IC6	6-700-960-01	IC	UPD64083GF-3BA
D703	8-719-082-05	DIODE	M1MA142WKT1	IC7	8-759-100-96	IC	UPC4558G2
		DIODE		IC8	8-759-647-10	IC	UPC2933HF
D705	8-719-083-87		UDZS-TE17-33B	IC9	8-759-701-79	IC	NJM7812FA
D706	8-719-083-87	DIODE	UDZS-TE17-33B	IC10	8-759-100-96	IC	UPC4558G2
D708	8-719-404-50	DIODE	MA111-TX				
D700	8-719-404-50	DIODE	MA111-TX	IC11	8-759-100-96	IC	UPC4558G2
				IC12	6-700-898-01	IC	PQ05RD21
D710	8-719-082-05	DIODE	M1MA142WKT1	IC13	8-759-647-11	IC	UPC2905HF
D711	8-719-082-05	DIODE	M1MA142WKT1	IC14	6-700-399-01	IC	UPC2925T-E1
D712	8-719-082-05	DIODE	M1MA142WKT1	IC301	8-752-102-21	IC	CXA2103AQ
D713	8-719-082-05	DIODE	M1MA142WKT1				
D713	8-719-404-50	DIODE	MA111-TX	IC302	8-752-916-40	IC	CXP85840A-039Q
D714 D715	8-719-404-50	DIODE	MA111-TX	IC303	8-752-102-21	IC	CXA2103AQ
				IC304	8-752-916-40	IC	CXP85840A-039Q
D716	8-719-404-50	DIODE	MA111-TX	IC305	8-759-595-97	IC	SN74LV4053ANSR
D718	8-719-404-50	DIODE	MA111-TX	IC306	8-752-103-44	IC	CXA2171Q
D719	8-719-404-50	DIODE	MA111-TX				
D720	8-719-920-67	DIODE	ERC91-02	IC307	8-759-595-97	IC	SN74LV4053ANSR
D720	8-719-920-67	DIODE	ERC91-02	IC309	8-752-100-25	IC	CXA2150AQ
D721	8-719-083-85	DIODE	UDZS-TE17-22B	IC310	8-759-349-11	IC	PST9145NL
				IC311	8-759-700-07	IC	NJM2903M
D724	8-719-083-85	DIODE	UDZS-TE17-22B	IC312	8-759-082-58	IC	TC7W08FU
D725	8-719-083-85	DIODE	UDZS-TE17-22B				
D726	8-719-083-85	DIODE	UDZS-TE17-22B	IC701	8-759-349-11	IC	PST9145NL
D729	8-719-404-50	DIODE	MA111-TX	IC702	6-700-149-01	IC	M24C04-MN6T(A)
5120	3 7 10 10 10	DIODE	W (111 17)	IC703	8-759-575-72	IC	M24C08-WMN6T
	FERRITE BEAD			IC704	6-803-474-01	IC	M306V2ME-212FP
	TERRITE BEAD			IC707	8-759-100-96	IC	UPC4558G2
FB2	1-414-445-11	FERRITE	0μΗ				
FB3	1-414-445-11	FERRITE	0μΗ	IC708	8-759-190-89	IC	TDA7265
FB4	1-414-445-11	FERRITE	0μΗ	IC711	6-704-236-01	IC	NJW1148
FB5	1-216-295-91	SHORT CHIP		1			
FB6	1-414-445-11	FERRITE	0μΗ		CHIP CONDUCT	<u>'OR</u>	
				IDO	4 040 004 44	CHODT CHID	
				JR2	1-216-864-11	SHORT CHIP	



REF.NO.	PART NO.	DESCRIPTION	VALUE	is	REF.NO.	PART NO.	DESCRIPTION	VALUES
	COIL					TRANSISTOR		
L1	1-412-948-11	INDUCTOR	5.6µH		Q1	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L2	1-469-555-21	INDUCTOR	10µH		Q2	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L3	1-469-555-21	INDUCTOR	10μΗ		Q3	8-729-422-27	TRANSISTOR	2SD601A-Q
L4	1-469-555-21	INDUCTOR	10μΗ		Q4	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L5	1-469-555-21	INDUCTOR	10μΗ		Q5	8-729-422-27	TRANSISTOR	2SD601A-Q
L6	1-469-555-21	INDUCTOR	10µH		Q6	8-729-422-27	TRANSISTOR	2SD601A-Q
L7	1-414-856-11	INDUCTOR	10μH		Q7	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L8	1-414-856-11	INDUCTOR	10μH		Q8	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L9	1-414-856-11	INDUCTOR	10μH		Q11	8-729-422-27	TRANSISTOR	2SD601A-Q
L10	1-412-537-31	INDUCTOR	100μH		Q12	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L11	1-414-856-11	INDUCTOR	10µH		Q13	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L12	1-414-856-11	INDUCTOR	10µH		Q14	8-729-422-27	TRANSISTOR	2SD601A-Q
L13	1-414-856-11	INDUCTOR	10µH		Q15	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L301	1-469-555-21	INDUCTOR	10µH		Q16	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L302	1-469-555-21	INDUCTOR	10µH		Q17	8-729-422-27	TRANSISTOR	2SD601A-Q
L303	1-469-555-21	INDUCTOR	10µH		Q18	8-729-422-27	TRANSISTOR	2SD601A-Q
L304	1-469-555-21	INDUCTOR	10μΗ		Q19	8-729-422-27	TRANSISTOR	2SD601A-Q
L305	1-469-555-21	INDUCTOR	10μΗ		Q20	8-729-422-27	TRANSISTOR	2SD601A-Q
L306	1-414-193-41	INDUCTOR	220µH		Q21	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L307	1-469-555-21	INDUCTOR	10µH		Q22	8-729-422-27	TRANSISTOR	2SD601A-Q
L308	1-414-856-11	INDUCTOR	10µH		Q23	8-729-422-27	TRANSISTOR	2SD601A-Q
L309	1-469-555-21	INDUCTOR	10μH		Q23 Q24	8-729-422-27	TRANSISTOR	2SD601A-Q 2SD601A-Q
L309 L310	1-469-555-21	INDUCTOR	-		Q24 Q25	8-729-422-27	TRANSISTOR	2SD601A-Q 2SD601A-Q
			10μH					
L311	1-469-555-21	INDUCTOR	10μH		Q26	8-729-422-27	TRANSISTOR	2SD601A-Q
L312	1-469-555-21	INDUCTOR	10µH		Q27	8-729-422-27	TRANSISTOR	2SD601A-Q
L313	1-414-856-11	INDUCTOR	10µH		Q28	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L315	1-469-555-21	INDUCTOR	10µH		Q30	1-801-806-11	TRANSISTOR	DTC144EKA
L316	1-414-856-11	INDUCTOR	10µH		Q301	8-729-422-27	TRANSISTOR	2SD601A-Q
L317	1-414-856-11	INDUCTOR	10µH		Q304	8-729-422-27	TRANSISTOR	2SD601A-Q
L318	1-469-555-21	INDUCTOR	10μH		Q306	8-729-422-27	TRANSISTOR	2SD601A-Q
L321	1-414-856-11	INDUCTOR	10µH		Q307	8-729-422-27	TRANSISTOR	2SD601A-Q
L701	1-414-179-21	INDUCTOR	2.2µH		Q308	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
L702	1-412-911-11	FERRITE	0μΗ		Q309	8-729-422-27	TRANSISTOR	2SD601A-Q
			•		Q310	8-729-422-27	TRANSISTOR	2SD601A-Q
	IC LINK				Q311	8-729-422-27	TRANSISTOR	2SD601A-Q
Ĺ PS1	1-532-679-00	IC LINK	0.6A	50V	0242	0 700 404 00	TDANGICTOD	200700A OD0 TV
Î PS2	1-532-685-00	IC LINK	0.8A	50V	Q312	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
Ĺ PS3	1-532-679-00	IC LINK	0.6A	50V	Q313	8-729-422-27	TRANSISTOR	2SD601A-Q
Ŷ PS701	1-576-336-21	IC LINK	2A	50V	Q314	8-729-422-27	TRANSISTOR	2SD601A-Q
<u> </u>	1-576-336-21	IC LINK	2A	50V	Q315	8-729-422-27	TRANSISTOR	2SD601A-Q
					Q316	8-729-422-27	TRANSISTOR	2SD601A-Q
					Q317	8-729-422-27	TRANSISTOR	2SD601A-Q
					Q318	8-729-422-27	TRANSISTOR	



REF.NO.	PART NO.	DESCRIPTION	VALUES	REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
Q319	8-729-422-27	TRANSISTOR	2SD601A-Q	Q367	8-729-122-63	TRANSISTOR	2SA1226	6-E4	
Q320	8-729-422-27	TRANSISTOR	2SD601A-Q	Q368	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q321	8-729-422-27	TRANSISTOR	2SD601A-Q	Q369	1-801-806-11	TRANSISTOR	DTC144	EKA	
Q322	8-729-422-27	TRANSISTOR	2SD601A-Q	Q373	8-729-422-27	TRANSISTOR	2SD601/		
Q323	8-729-422-27	TRANSISTOR	2SD601A-Q	Q374	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q324	8-729-422-27	TRANSISTOR	2SD601A-Q	Q378	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q325	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q379	8-729-424-02	TRANSISTOR	2SB709/	A-QRS-T	Χ
Q326	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q380	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q327	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q381	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q328	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q501	8-729-026-49	TRANSISTOR	2SA1037	'AK-T146	S-R
Q329	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q502	1-801-806-11	TRANSISTOR	DTC144	FKA	
Q330	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q701	8-729-422-27	TRANSISTOR	2SD601/		
Q331	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q702	8-729-424-02	TRANSISTOR	2SB709/		Χ
Q332	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q703	8-729-422-27	TRANSISTOR	2SD601/		
Q333	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q704	8-729-424-02	TRANSISTOR	2SB709/		Χ
Q334	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q705	8-729-422-27	TRANSISTOR	2SD601/		
Q335	8-729-422-27	TRANSISTOR	2SD601A-Q	Q706	8-729-424-02	TRANSISTOR	2SB709/		X
Q336	8-729-422-27	TRANSISTOR	2SD601A-Q	Q707	1-801-806-11	TRANSISTOR	DTC144	EKA	
Q337	8-729-422-27	TRANSISTOR	2SD601A-Q	Q708	8-729-422-27	TRANSISTOR	2SD601/		
Q338	8-729-422-27	TRANSISTOR	2SD601A-Q	Q709	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q339	8-729-422-27	TRANSISTOR	2SD601A-Q	Q710	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q340	8-729-422-27	TRANSISTOR	2SD601A-Q	Q712	8-729-424-02	TRANSISTOR	2SB709/	A-QRS-T	Χ
Q342	8-729-422-27	TRANSISTOR	2SD601A-Q	Q713	8-729-424-02	TRANSISTOR	2SB709/	A-QRS-T	Χ
Q343	8-729-122-63	TRANSISTOR	2SA1226-E4	Q714	8-729-027-38	TRANSISTOR	DTA144E	EKA-T14	6
Q344	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q715	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
0045	0.700.404.00	TRANSIOTOR	000700A 0D0 TV	0740	0.700.400.07	TRANSISTOR	000004		
Q345	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	Q716	8-729-422-27	TRANSISTOR	2SD601/		
Q346	8-729-422-27	TRANSISTOR	2SD601A-Q	Q717	8-729-422-27	TRANSISTOR	2SD601/		
Q347	8-729-122-63	TRANSISTOR	2SA1226-E4	Q718	8-729-422-27	TRANSISTOR	2SD601/		v
Q348	8-729-424-02	TRANSISTOR TRANSISTOR	2SB709A-QRS-TX 2SD601A-Q	Q719 Q721	8-729-424-02	TRANSISTOR	2SB709/ 2SB709/		
Q349	8-729-422-27	TRANSISTOR	23D001A-Q	Q/ZI	8-729-424-02	TRANSISTOR	2301091	4-QN3-1.	^
Q350	8-729-422-27	TRANSISTOR	2SD601A-Q	Q722	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q351	8-729-122-63	TRANSISTOR	2SA1226-E4	Q723	8-729-422-27	TRANSISTOR	2SD601/	A-Q	
Q352	8-729-422-27	TRANSISTOR	2SD601A-Q	Q725	8-729-424-02	TRANSISTOR	2SB709/	A-QRS-T	X
Q353	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX						
Q354	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX		RESISTOR				
Q355	8-729-422-27	TRANSISTOR	2SD601A-Q	R1	1-216-464-11	METAL OXIDE	18K	5%	2W
Q356	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R2	1-216-813-11	METAL CHIP	220	5%	1/10W
Q357	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R3	1-216-813-11	METAL CHIP	220	5%	1/10W
Q358	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R4	1-216-813-11	METAL CHIP	220	5%	1/10W
Q359	8-729-422-27	TRANSISTOR	2SD601A-Q	R5	1-216-813-11	METAL CHIP	220	5%	1/10W
Q000	0 1 E 0 1 E E I		20500 (0	Do.	4 040 040 44	METAL CLUB	000	E0/	4/4014
Q360	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX	R6	1-216-813-11	METAL CHIP	220	5%	1/10W
Q361	8-729-422-27	TRANSISTOR	2SD601A-Q	R7	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q362	8-729-422-27	TRANSISTOR	2SD601A-Q	R8	1-216-813-11	METAL CHIP	220	5%	1/10W
Q363	8-729-422-27	TRANSISTOR	2SD601A-Q	R9	1-216-813-11	METAL CHIP	220	5%	1/10W



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	IES	
R10	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R70	1-216-845-11	METAL CHIP	100K	5%	1/10W
R11	1-218-720-11	METAL CHIP	15K		1/10W	R71	1-216-813-11	METAL CHIP	220	5%	1/10W
R12	1-218-722-11	METAL CHIP	18K		1/10W	R72	1-216-821-11	METAL CHIP	1K	5%	1/10W
R13	1-218-740-11	METAL CHIP	100K		1/10W	R73	1-218-686-11	METAL CHIP	560		1/10W
R14	1-216-845-11	METAL CHIP	100K	5%	1/10W	R74	1-218-684-11	METAL CHIP	470		1/10W
1117	1-210-040-11	WIL TAL OTTI	10010	J /0	171000	IX/4	1-210-00 1 -11	WIL TAL OTTI	410	0.5070	171000
R16	1-218-702-11	METAL CHIP	2.7K	0.50%	1/10W	R75	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R17	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W	R76	1-216-818-11	METAL CHIP	560	5%	1/10W
R18	1-218-714-11	METAL CHIP	8.2K	0.50%	1/10W	R77	1-216-821-11	METAL CHIP	1K	5%	1/10W
R19	1-216-816-11	METAL CHIP	390	5%	1/10W	R78	1-218-680-11	METAL CHIP	330	0.50%	1/10W
R20	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R79	1-216-818-11	METAL CHIP	560	5%	1/10W
R21	1 016 000 11	METAL CLUD	33K	5%	1/10W	R80	1 010 604 11	METAL CLUD	470	0.50%	1/10\\
	1-216-839-11	METAL CHIP					1-218-684-11	METAL CHIP			
R22	1-216-813-11	METAL CHIP	220	5%	1/10W	R81	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R23	1-216-864-11	SHORT CHIP	4.017	0.500/	4/40/4/	R82	1-216-821-11	METAL CHIP	1K	5%	1/10W
R27	1-218-707-11	METAL CHIP	4.3K		1/10W	R85	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R30	1-216-809-11	METAL CHIP	100	5%	1/10W	R87	1-216-833-11	METAL CHIP	10K	5%	1/10W
R31	1-216-809-11	METAL CHIP	100	5%	1/10W	R88	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R33	1-216-809-11	METAL CHIP	100	5%	1/10W	R89	1-216-813-11	METAL CHIP	220	5%	1/10W
R37	1-216-853-11	METAL CHIP	470K	5%	1/10W	R90	1-216-864-11	SHORT CHIP			
R39	1-216-855-11	METAL CHIP	680K	5%	1/10W	R91	1-216-864-11	SHORT CHIP			
R42	1-216-855-11	METAL CHIP	680K	5%	1/10W	R92	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
	. =			-,-							
R43	1-216-853-11	METAL CHIP	470K	5%	1/10W	R93	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R44	1-249-377-11	CARBON	0.47	5%	1/4W	R95	1-216-818-11	METAL CHIP	560	5%	1/10W
R46	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R96	1-216-818-11	METAL CHIP	560	5%	1/10W
R48	1-216-809-11	METAL CHIP	100	5%	1/10W	R99	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R49	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R100	1-216-833-11	METAL CHIP	10K	5%	1/10W
R50	1-216-809-11	METAL CHIP	100	5%	1/10W	R102	1-216-821-11	METAL CHIP	1K	5%	1/10W
R51	1-216-833-11	METAL CHIP	10K	5%	1/10W	R103	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R52	1-216-833-11	METAL CHIP	10K	5%	1/10W	R104	1-216-821-11	METAL CHIP	1K	5%	1/10W
R53	1-216-817-11	METAL CHIP	470	5%	1/10W	R105	1-216-821-11	METAL CHIP	1K	5%	1/10W
R54	1-216-817-11	METAL CHIP	470	5%	1/10W	R106	1-216-809-11	METAL CHIP	100	5%	1/10W
R55	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R107	1-216-833-11	METAL CHIP	10K	5%	1/10W
R56	1-216-805-11	METAL CHIP	47	5%	1/10W	R108	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R57	1-216-805-11	METAL CHIP	47	5%	1/10W	R109	1-216-816-11	METAL CHIP	390	5%	1/10W
R59	1-216-821-11	METAL CHIP	1K	5%	1/10W	R110	1-216-809-11	METAL CHIP	100	5%	1/10W
R60	1-216-833-11	METAL CHIP	10K	5%	1/10W	R111	1-216-809-11	METAL CHIP	100	5%	1/10W
R61	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R112	1-216-857-11	METAL CHIP	1M	5%	1/10W
R62	1-216-821-11	METAL CHIP	1K	5%	1/10W	R113	1-216-845-11	METAL CHIP	100K	5%	1/10W
R63	1-216-809-11	METAL CHIP	100	5%	1/10W	R114	1-216-809-11	METAL CHIP	100	5%	1/10W
R64	1-216-837-11	METAL CHIP	22K	5%	1/10W	R115	1-216-820-11	METAL CHIP	820	5%	1/10W
R65	1-216-833-11	METAL CHIP	10K	5%	1/10W	R116	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
1100	1-2 10 - 000-11	NIL TAL OTTE	IUN	J /0	1/ 1044	11110	1-2 10 - 02J-11	MIL IAL OHIF	۷.۷۱	J /0	17 10 11
R66	1-216-849-11	METAL CHIP	220K	5%	1/10W	R117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R67	1-216-841-11	METAL CHIP	47K	5%	1/10W	R118	1-216-820-11	METAL CHIP	820	5%	1/10W
R68	1-216-839-11	METAL CHIP	33K	5%	1/10W	R119	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R69	1-216-857-11	METAL CHIP	1M	5%	1/10W	R120	1-216-834-11	METAL CHIP	12K	5%	1/10W



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	IES	
R121	1-216-839-11	METAL CHIP	33K	5%	1/10W	R319	1-216-864-11	SHORT CHIP			
R122	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R320	1-216-833-11	METAL CHIP	10K	5%	1/10W
R123	1-216-833-11	METAL CHIP	10K	5%	1/10W	R321	1-216-821-11	METAL CHIP	1K	5%	1/10W
R124	1-216-834-11	METAL CHIP	12K	5%	1/10W	R322	1-216-809-11	METAL CHIP	100	5%	1/10W
R125	1-216-839-11	METAL CHIP	33K	5%	1/10W	R323	1-216-809-11	METAL CHIP	100	5%	1/10W
11125	1-210-000-11	WIL TAL OTTI	3310	J /0	1/1044	11020	1-210-000-11	IVIL IAL OITII	100	J /0	171000
R126	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R324	1-216-809-11	METAL CHIP	100	5%	1/10W
R127	1-216-839-11	METAL CHIP	33K	5%	1/10W	R325	1-216-835-11	METAL CHIP	15K	5%	1/10W
R128	1-216-821-11	METAL CHIP	1K	5%	1/10W	R326	1-216-864-11	SHORT CHIP			
R129	1-216-805-11	METAL CHIP	47	5%	1/10W	R327	1-216-817-11	METAL CHIP	470	5%	1/10W
R130	1-216-821-11	METAL CHIP	1K	5%	1/10W	R329	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R131	1-216-837-11	METAL CHIP	22K	5%	1/10W	R330	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R133	1-218-686-11	METAL CHIP	560		1/10W	R331	1-216-833-11	METAL CHIP	10K	5%	1/10W
R134	1-218-683-11	METAL CHIP	430		1/10W	R332	1-218-700-11	METAL CHIP	2.2K	0.50%	
R135	1-216-809-11	METAL CHIP	100	5%	1/10W	R333	1-216-809-11	METAL CHIP	100	5%	1/10W
R136	1-216-821-11	METAL CHIP	1K	5%	1/10W	R334	1-216-809-11	METAL CHIP	100	5%	1/10W
R137	1-216-833-11	METAL CHIP	10K	5%	1/10W	R335	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R138	1-216-833-11	METAL CHIP	10K	5%	1/10W	R336	1-216-809-11	METAL CHIP	100	5%	1/10W
R139	1-216-841-11	METAL CHIP	47K	5%	1/10W	R337	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R140	1-216-833-11	METAL CHIP	10K	5%	1/10W	R338	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R141	1-216-809-11	METAL CHIP	100	5%	1/10W	R339	1-216-809-11	METAL CHIP	100	5%	1/10W
K141	1-210-009-11	WE TAL CHIP	100	370	1/1000	Roos	1-210-009-11	IVIE TAL CHIP	100	370	1/1000
R142	1-216-843-11	METAL CHIP	68K	5%	1/10W	R340	1-216-828-11	METAL CHIP	3.9K	5%	1/10W
R143	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R341	1-218-706-11	METAL CHIP	3.9K	0.50%	1/10W
R144	1-216-843-11	METAL CHIP	68K	5%	1/10W	R342	1-216-841-11	METAL CHIP	47K	5%	1/10W
R145	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R343	1-216-809-11	METAL CHIP	100	5%	1/10W
R146	1-216-845-11	METAL CHIP	100K	5%	1/10W	R344	1-216-809-11	METAL CHIP	100	5%	1/10W
D447	4 040 000 44	METAL CLUD	101/	E0/	4/40\\\	D245	1 010 000 11	METAL CLUD	4.51/	0.500/	4/40\\
R147	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W	R345	1-218-696-11	METAL CHIP	1.5K		1/10W
R148	1-216-397-11	METAL OUID	4.7	5%	3W	R346	1-218-696-11	METAL CHIP	1.5K		1/10W
R151	1-216-833-11	METAL CHIP	10K	5%	1/10W	R347	1-216-817-11	METAL CHIP	470	5%	1/10W
R152	1-216-833-11	METAL CHIP	10K	5%	1/10W	R348	1-216-841-11	METAL CHIP	47K	5%	1/10W
R153	1-216-833-11	METAL CHIP	10K	5%	1/10W	R349	1-216-813-11	METAL CHIP	220	5%	1/10W
R154	1-216-830-11	METAL CHIP	5.6K	5%	1/10W	R350	1-216-809-11	METAL CHIP	100	5%	1/10W
R155	1-216-864-11	SHORT CHIP				R351	1-216-813-11	METAL CHIP	220	5%	1/10W
R301	1-216-809-11	METAL CHIP	100	5%	1/10W	R352	1-216-813-11	METAL CHIP	220	5%	1/10W
R302	1-216-805-11	METAL CHIP	47	5%	1/10W	R353	1-216-809-11	METAL CHIP	100	5%	1/10W
R303	1-216-833-11	METAL CHIP	10K	5%	1/10W	R354	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Doc.	4 040 000 44	METAL COM	4614	=01	44404		1 010 555 11	METAL 6:::5	400	=0.	4440:::
R304	1-216-833-11	METAL CHIP	10K	5%	1/10W	R355	1-216-809-11	METAL CHIP	100	5%	1/10W
R305	1-216-835-11	METAL CHIP	15K	5%	1/10W	R356	1-216-841-11	METAL CHIP	47K	5%	1/10W
R308	1-216-821-11	METAL CHIP	1K	5%	1/10W	R357	1-216-837-11	METAL CHIP	22K	5%	1/10W
R309	1-216-813-11	METAL CHIP	220	5%	1/10W	R358	1-216-837-11	METAL CHIP	22K	5%	1/10W
R310	1-216-857-11	METAL CHIP	1M	5%	1/10W	R359	1-216-837-11	METAL CHIP	22K	5%	1/10W
R311	1-216-840-11	METAL CHIP	39K	5%	1/10W	R360	1-216-837-11	METAL CHIP	22K	5%	1/10W
R313	1-216-833-11	METAL CHIP	10K	5%	1/10W	R361	1-216-837-11	METAL CHIP	22K	5%	1/10W
R314	1-216-833-11	METAL CHIP	10K	5%	1/10W	R362	1-216-837-11	METAL CHIP	22K	5%	1/10W
R318	1-216-833-11	METAL CHIP	10K	5%	1/10W	R363	1-216-809-11	METAL CHIP	100	5%	1/10W
1.010	1 210 000-11	ME IAE OITH	1011	J /0	1/1011	1	1 210 000-11	INC INC OTH	100	J /0	17 1011



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	JES	
R364	1-216-809-11	METAL CHIP	100	5%	1/10W	R408	1-216-821-11	METAL CHIP	1K	5%	1/10W
R365	1-216-809-11	METAL CHIP	100	5%	1/10W	R409	1-216-821-11	METAL CHIP	1K	5%	1/10W
R366	1-216-841-11	METAL CHIP	47K	5%	1/10W	R410	1-218-673-11	METAL CHIP	160	0.50%	
R367	1-216-821-11	METAL CHIP	1K	5%	1/10W	R411	1-218-673-11	METAL CHIP	160		1/10W
R368	1-216-821-11	METAL CHIP	1K	5%	1/10W	R412	1-216-813-11	METAL CHIP	220	5%	1/10W
N300	1-210-021-11	WE TAL CITIF	IIX	370	17 1000	N 4 12	1-210-013-11	WIE TAL CHIF	220	J /0	1/1000
R369	1-216-821-11	METAL CHIP	1K	5%	1/10W	R413	1-218-668-11	METAL CHIP	100	0.50%	1/10W
R370	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R414	1-218-668-11	METAL CHIP	100	0.50%	1/10W
R371	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R415	1-218-668-11	METAL CHIP	100	0.50%	1/10W
R372	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R416	1-216-857-11	METAL CHIP	1M	5%	1/10W
R373	1-216-809-11	METAL CHIP	100	5%	1/10W	R417	1-216-809-11	METAL CHIP	100	5%	1/10W
R374	1-216-815-11	METAL CHIP	330	5%	1/10W	R418	1-216-809-11	METAL CHIP	100	5%	1/10W
R375	1-216-815-11	METAL CHIP	330	5%	1/10W	R419	1-218-702-11	METAL CHIP	2.7K	0.50%	
R376	1-216-815-11	METAL CHIP	330	5%	1/10W	R419	1-218-698-11	METAL CHIP	1.8K		1/10W
				5% 5%	1/10W		1-216-809-11			5%	1/10W
R377	1-216-837-11	METAL CHIP	22K			R421		METAL CHIP	100		
R378	1-216-837-11	METAL CHIP	22K	5%	1/10W	R422	1-216-809-11	METAL CHIP	100	5%	1/10W
R379	1-216-837-11	METAL CHIP	22K	5%	1/10W	R423	1-216-809-11	METAL CHIP	100	5%	1/10W
R380	1-216-837-11	METAL CHIP	22K	5%	1/10W	R424	1-218-674-11	METAL CHIP	180	0.50%	1/10W
R381	1-216-837-11	METAL CHIP	22K	5%	1/10W	R425	1-218-674-11	METAL CHIP	180	0.50%	1/10W
R382	1-216-837-11	METAL CHIP	22K	5%	1/10W	R426	1-218-674-11	METAL CHIP	180	0.50%	1/10W
R383	1-216-809-11	METAL CHIP	100	5%	1/10W	R427	1-218-673-11	METAL CHIP	160	0.50%	1/10W
R384	1 216 000 11	METAL CLUD	100	5%	1/10\\	R428	1 016 064 11	CHODT CHID			
R385	1-216-809-11 1-216-821-11	METAL CHIP METAL CHIP	1K	5% 5%	1/10W 1/10W	R420 R429	1-216-864-11 1-216-850-11	SHORT CHIP METAL CHIP	270K	5%	1/10W
				5% 5%	1/10W					5% 5%	1/10W
R386	1-216-809-11	METAL CHIP	100			R431	1-216-809-11	METAL CHIP	100		
R387	1-216-845-11	METAL CHIP	100K	5%	1/10W	R432	1-216-817-11	METAL CHIP	470	5%	1/10W
R388	1-216-837-11	METAL CHIP	22K	5%	1/10W	R433	1-216-817-11	METAL CHIP	470	5%	1/10W
R389	1-216-809-11	METAL CHIP	100	5%	1/10W	R434	1-216-809-11	METAL CHIP	100	5%	1/10W
R390	1-216-809-11	METAL CHIP	100	5%	1/10W	R435	1-216-817-11	METAL CHIP	470	5%	1/10W
R391	1-216-809-11	METAL CHIP	100	5%	1/10W	R436	1-216-809-11	METAL CHIP	100	5%	1/10W
R392	1-216-809-11	METAL CHIP	100	5%	1/10W	R437	1-216-809-11	METAL CHIP	100	5%	1/10W
R393	1-216-809-11	METAL CHIP	100	5%	1/10W	R438	1-216-809-11	METAL CHIP	100	5%	1/10W
R394	1 216 200 11	METAL CLUD	100	5%	1/10W	R439	1 016 017 11	METAL CHIP	470	5%	1/10W
R395	1-216-809-11 1-216-821-11	METAL CHIP	1K	5%	1/10W	R439 R440	1-216-817-11 1-216-813-11	METAL CHIP		5%	1/10W
R396	1-216-821-11	METAL CHIP METAL CHIP	1K	5%	1/10W	R440 R441	1-216-813-11		220 220	5% 5%	1/10W
								METAL CHIP METAL CHIP			
R397	1-216-821-11	METAL CHIP	1K	5%	1/10W	R442	1-216-813-11		220	5%	1/10W
R398	1-216-845-11	METAL CHIP	100K	5%	1/10W	R443	1-216-809-11	METAL CHIP	100	5%	1/10W
R399	1-216-833-11	METAL CHIP	10K	5%	1/10W	R444	1-216-809-11	METAL CHIP	100	5%	1/10W
R400	1-216-845-11	METAL CHIP	100K	5%	1/10W	R445	1-216-809-11	METAL CHIP	100	5%	1/10W
R401	1-216-845-11	METAL CHIP	100K	5%	1/10W	R446	1-216-809-11	METAL CHIP	100	5%	1/10W
R402	1-216-845-11	METAL CHIP	100K	5%	1/10W	R448	1-216-809-11	METAL CHIP	100	5%	1/10W
R403	1-216-845-11	METAL CHIP	100K	5%	1/10W	R449	1-216-809-11	METAL CHIP	100	5%	1/10W
DAOA	1 216 045 44	METAL CLUB	1001/	E0/	1/10\\\	DAEO	1 216 244 44	METAL CLUB	270	E0/	1/10\\
R404	1-216-845-11	METAL CHIP	100K	5%	1/10W	R450	1-216-814-11	METAL CHIP	270	5%	1/10W
R405	1-216-845-11	METAL CHIP	100K	5%	1/10W	R451	1-216-814-11	METAL CHIP	270	5%	1/10W
R406	1-216-864-11	SHORT CHIP	4017	E0/	4/4014/	R452	1-216-814-11	METAL CHIP	270	5%	1/10W
R407	1-216-833-11	METAL CHIP	10K	5%	1/10W	R456	1-216-825-11	METAL CHIP	2.2K	5%	1/10W



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	JES	
R457	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R540	1-216-809-11	METAL CHIP	100	5%	1/10W
R458	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R541	1-218-867-11	METAL CHIP	6.8K	0.50%	1/10W
R459	1-216-815-11	METAL CHIP	330	5%	1/10W	R542	1-216-809-11	METAL CHIP	100	5%	1/10W
R460	1-216-815-11	METAL CHIP	330	5%	1/10W	R543	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R461	1-216-815-11	METAL CHIP	330	5%	1/10W	R544	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R463	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	R550	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
R466	1-216-841-11	METAL CHIP	47K	5%	1/10W	R551	1-216-833-11	METAL CHIP	10K	5%	1/10W
R467	1-216-841-11	METAL CHIP	47K	5%	1/10W	R552	1-216-809-11	METAL CHIP	100	5%	1/10W
R471	1-216-821-11	METAL CHIP	1K	5%	1/10W	R553	1-216-834-11	METAL CHIP	12K	5%	1/10W
R472	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R554	1-216-809-11	METAL CHIP	100	5%	1/10W
R473	1-216-809-11	METAL CHIP	100	5%	1/10W	R556	1-216-808-11	METAL CHIP	82	5%	1/10W
R474	1-216-833-11	METAL CHIP	10K	5%	1/10W	R557	1-216-808-11	METAL CHIP	82	5%	1/10W
R476	1-216-808-11	METAL CHIP	82	5%	1/10W	R558	1-216-808-11	METAL CHIP	82	5%	1/10W
R477	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R559	1-216-817-11	METAL CHIP	470	5%	1/10W
R480	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R561	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R481	1-216-821-11	METAL CHIP	1K	5%	1/10W	R562	1-216-817-11	METAL CHIP	470	5%	1/10W
R482	1-216-839-11	METAL CHIP	33K	5% 5%	1/10W	R563	1-216-853-11	METAL CHIP	470 470K	5% 5%	1/10W
R462 R483	1-216-829-11	METAL CHIP	4.7K	5% 5%	1/10W	R566	1-216-829-11	METAL CHIP	470K 4.7K	5% 5%	1/10W
R463 R484	1-216-809-11	METAL CHIP	100	5% 5%	1/10W	R567	1-218-708-11	METAL CHIP	4.7K 4.7K		1/10W
R464 R489	1-216-829-11	METAL CHIP	4.7K	5% 5%	1/10W	R568	1-216-706-11	METAL CHIP	100	5%	1/10W
K409	1-210-029-11	WE TAL CHIP	4./ N	370	171000	K300	1-210-009-11	METAL CHIP	100	3%	1/1000
R490	1-216-808-11	METAL CHIP	82	5%	1/10W	R569	1-216-809-11	METAL CHIP	100	5%	1/10W
R493	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R570	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R495	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R571	1-216-864-11	SHORT CHIP			
R496	1-216-809-11	METAL CHIP	100	5%	1/10W	R572	1-216-835-11	METAL CHIP	15K	5%	1/10W
R501	1-216-808-11	METAL CHIP	82	5%	1/10W	R574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R502	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R575	1-216-833-11	METAL CHIP	10K	5%	1/10W
R503	1-216-833-11	METAL CHIP	10K	5%	1/10W	R576	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R504	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R577	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R505	1-216-821-11	METAL CHIP	1K	5%	1/10W	R593	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R506	1-216-837-11	METAL CHIP	22K	5%	1/10W	R594	1-216-833-11	METAL CHIP	10K	5%	1/10W
R507	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R596	1-216-841-11	METAL CHIP	47K	5%	1/10W
R508	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R597	1-216-821-11	METAL CHIP	1K	5%	1/10W
R509	1-216-837-11	METAL CHIP	22K	5%	1/10W	R598	1-216-833-11	METAL CHIP	10K	5%	1/10W
R510	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R599	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R512	1-216-864-11	SHORT CHIP				R602	1-216-837-11	METAL CHIP	22K	5%	1/10W
R513	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R603	1-216-833-11	METAL CHIP	10K	5%	1/10W
R515	1-216-809-11	METAL CHIP	100	5%	1/10W	R604	1-216-833-11	METAL CHIP	10K	5%	1/10W
R516	1-216-809-11	METAL CHIP	100	5%	1/10W	R605	1-216-833-11	METAL CHIP	10K	5%	1/10W
R517	1-216-809-11	METAL CHIP	100	5%	1/10W	R606	1-216-833-11	METAL CHIP	10K	5%	1/10W
R518	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R607	1-216-833-11	METAL CHIP	10K	5%	1/10W
R519	1-216-821-11	METAL CHIP	1K	5%	1/10W	R608	1-216-833-11	METAL CHIP	10K	5%	1/10W
R521	1-216-833-11	METAL CHIP	10K	5%	1/10W	R609	1-216-809-11	METAL CHIP	100	5%	1/10W
R527	1-216-864-11	SHORT CHIP	1011	J /U	17 1011	R613	1-216-833-11	METAL CHIP	10K	5%	1/10W
R538	1-216-809-11	METAL CHIP	100	5%	1/10W	R616	1-216-833-11	METAL CHIP	10K	5%	1/10W
1.000	. 210 000 11		.50	3 / 0		1 1010	. 210 000 11			3 / 0	



REF.NO.	PART NO.	DESCRIPTION	VALUES		REF.NO		PART NO.	DESCRIPTION	VALUES		
R617	1-216-809-11	METAL CHIP	100	5%	1/10W	R744	1-216-821-11	METAL CHIP	1K	5%	1/10W
R618	1-216-809-11	METAL CHIP	100	5%	1/10W	R745	1-216-841-11	METAL CHIP	47K	5%	1/10W
R619	1-216-821-11	METAL CHIP	1K	5%	1/10W	R747	1-216-809-11	METAL CHIP	100	5%	1/10W
R620	1-216-801-11	METAL CHIP	22	5%	1/10W	R748	1-216-833-11	METAL CHIP	10K	5%	1/10W
R621	1-216-801-11	METAL CHIP	22	5%	1/10W	R749	1-216-849-11	METAL CHIP	220K	5%	1/10W
R622	1-216-801-11	METAL CLUB	22	E0/	1/10\\	D750	1 016 005 11	METAL CHID	2 21/	5%	1/10/4/
		METAL CHIP		5%	1/10W	R750	1-216-825-11	METAL CHIP	2.2K		1/10W
R624	1-216-809-11	METAL CHIP	100	5% 5%	1/10W	R751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R628	1-249-377-11	CARBON	0.47	5% 50/	1/4W	R752	1-216-821-11	METAL CHIP	1K	5%	1/10W
R701	1-216-817-11	METAL CHIP	470	5%	1/10W	R753	1-216-809-11	METAL CHIP	100	5%	1/10W
R702	1-216-841-11	METAL CHIP	47K	5%	1/10W	R754	1-216-809-11	METAL CHIP	100	5%	1/10W
R703	1-216-821-11	METAL CHIP	1K	5%	1/10W	R755	1-216-809-11	METAL CHIP	100	5%	1/10W
R705	1-216-809-11	METAL CHIP	100	5%	1/10W	R756	1-216-809-11	METAL CHIP	100	5%	1/10W
R706	1-216-809-11	METAL CHIP	100	5%	1/10W	R758	1-216-809-11	METAL CHIP	100	5%	1/10W
R707	1-216-809-11	METAL CHIP	100	5%	1/10W	R759	1-216-821-11	METAL CHIP	1K	5%	1/10W
R708	1-216-809-11	METAL CHIP	100	5%	1/10W	R760	1-216-849-11	METAL CHIP	220K	5%	1/10W
R709	1-216-817-11	METAL CHIP	470	5%	1/10W	R761	1-216-849-11	METAL CHIP	220K	5%	1/10W
R710	1-216-813-11	METAL CHIP	220	5%	1/10W	R762	1-216-845-11	METAL CHIP	100K	5%	1/10W
R710 R711		METAL CHIP				R763			330	5% 5%	1/10W
R711	1-216-833-11		10K 220	5%	1/10W	R763 R764	1-216-815-11	METAL CHIP		5% 5%	1/10W
	1-216-813-11	METAL CHIP		5%	1/10W		1-216-821-11	METAL CHIP	1K		
R713	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R765	1-216-815-11	METAL CHIP	330	5%	1/10W
R714	1-216-809-11	METAL CHIP	100	5%	1/10W	R766	1-216-821-11	METAL CHIP	1K	5%	1/10W
R715	1-216-809-11	METAL CHIP	100	5%	1/10W	R767	1-216-833-11	METAL CHIP	10K	5%	1/10W
R716	1-216-821-11	METAL CHIP	1K	5%	1/10W	R768	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R769	1-216-809-11	METAL CHIP	100	5%	1/10W
R718	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R770	1-216-845-11	METAL CHIP	100K	5%	1/10W
R719	1-216-813-11	METAL CHIP	220	5%	1/10W	R771	1-216-809-11	METAL CHIP	100	5%	1/10W
R720	1-216-809-11	METAL CHIP	100	5%	1/10W	R772	1-216-821-11	METAL CHIP	1K	5%	1/10W
R721	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R773	1-216-809-11	METAL CHIP	100	5%	1/10W
R722	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R774	1-216-809-11	METAL CHIP	100	5%	1/10W
R723	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R775	1-216-821-11	METAL CHIP	1K	5%	1/10W
5-0 .				-0/						-0/	
R724	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R777	1-216-821-11	METAL CHIP	1K	5%	1/10W
R725	1-216-809-11	METAL CHIP	100	5%	1/10W	R778	1-216-809-11	METAL CHIP	100	5%	1/10W
R727	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R779	1-216-809-11	METAL CHIP	100	5%	1/10W
R728	1-216-864-11	SHORT CHIP				R781	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R730	1-216-809-11	METAL CHIP	100	5%	1/10W	R782	1-216-809-11	METAL CHIP	100	5%	1/10W
R732	1-216-809-11	METAL CHIP	100	5%	1/10W	R783	1-216-809-11	METAL CHIP	100	5%	1/10W
R733	1-216-821-11	METAL CHIP	1K	5%	1/10W	R784	1-216-809-11	METAL CHIP	100	5%	1/10W
R735	1-216-833-11	METAL CHIP	10K	5%	1/10W	R785	1-216-821-11	METAL CHIP	1K	5%	1/10W
R736	1-216-813-11	METAL CHIP	220	5%	1/10W	R786	1-216-821-11	METAL CHIP	1K	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W	R787	1-216-833-11	METAL CHIP	10K	5%	1/10W
D720	1 210 700 11	METAL CLIP	171/	0 500/	1/10\\\	D 7 00	1 216 045 44	METAL CUID	1001/	E0/	1/10\\
R738	1-218-708-11	METAL CHIP	4.7K		1/10W	R788	1-216-845-11	METAL CHIP	100K	5% 5%	1/10W
R740 R742	1-216-809-11 1-216-821-11	METAL CHIP METAL CHIP	100 1K	5% 5%	1/10W 1/10W	R790 R796	1-216-837-11 1-216-821-11	METAL CHIP METAL CHIP	22K 1K	5% 5%	1/10W 1/10W
R742 R743			100	5% 5%		R790 R797				5% 5%	1/10W
K/43	1-216-809-11	METAL CHIP	100	J%	1/10W	K/3/	1-216-829-11	METAL CHIP	4.7K	J%	1/1000



REF.NO.	PART NO.	DESCRIPTION	VALUES				REF.NO.	PART NO.	DESCRIPTION	VALUES		
R803	1-216-833-11	METAL CHIP	10K	5%	1/10W		R878	1-216-821-11	METAL CHIP	1K	5%	1/10W
R804	1-216-837-11	METAL CHIP	22K	5%	1/10W		R879	1-216-821-11	METAL CHIP	1K	5%	1/10W
R806	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R885	1-216-833-11	METAL CHIP	10K	5%	1/10W
R807	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R810	1-216-833-11	METAL CHIP	10K	5%	1/10W		R887	1-216-821-11	METAL CHIP	1K	5%	1/10W
R813	1-216-845-11	METAL CHIP	100K	5%	1/10W		R889	1-216-807-11	METAL CHIP	68	5%	1/10W
R817	1-216-845-11	METAL CHIP	100K	5%	1/10W		R890	1-216-807-11	METAL CHIP	68	5%	1/10W
R818	1-216-833-11	METAL CHIP	10K	5%	1/10W		R891	1-216-807-11	METAL CHIP	68	5%	1/10W
R823	1-216-835-11	METAL CHIP	15K	5%	1/10W		R897	1-216-821-11	METAL CHIP	1K	5%	1/10W
R828	1-216-817-11	METAL CHIP	470	5%	1/10W		R899	1-216-821-11	METAL CHIP	1K	5%	1/10W
R829	1-216-864-11	SHORT CHIP						TUNER				
R830	1-216-809-11	METAL CHIP	100	5%	1/10W			1011211				
R831	1-216-839-11	METAL CHIP	33K	5%	1/10W		TU1	8-598-594-10	TUNER, FSS BTF-FA	421		
R832	1-216-817-11	METAL CHIP	470	5%	1/10W		TU2	8-598-593-20	TUNER, FSS BTF-WA	\ 421		
R833	1-216-839-11	METAL CHIP	33K	5%	1/10W							
								VARISTOR				
R834	1-216-805-11	METAL CHIP	47	5%	1/10W		VD1	1-804-499-21	VARISTOR, CHIP	(1608)		
R835	1-216-837-11	METAL CHIP	22K	5%	1/10W		VD2	1-804-499-21	VARISTOR, CHIP	(1608)		
R836	1-216-864-11	SHORT CHIP					VD3	1-804-499-21	VARISTOR, CHIP	(1608)		
R837	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		VD4	1-804-499-21	VARISTOR, CHIP	(1608)		
R838	1-216-809-11	METAL CHIP	100	5%	1/10W							
R839	1-216-864-11	SHORT CHIP						CRYSTAL				
R840	1-216-841-11	METAL CHIP	47K	5%	1/10W		X1	1-767-882-21	VIBRATOR, CRYSTA	L		
R841	1-216-839-11	METAL CHIP	33K	5%	1/10W		X301	1-567-505-11	OSCILLATOR, CRYS	TAL		
R842	1-216-818-11	METAL CHIP	560	5%	1/10W		X302	1-767-179-31	VIBRATOR, CERAMIO	0		
R844	1-216-864-11	SHORT CHIP					X303	1-567-505-11	OSCILLATOR, CRYS	TAL		
							X304	1-767-179-31	VIBRATOR, CERAMIC	C		
R845	1-216-818-11	METAL CHIP	560	5%	1/10W							
R846	1-218-871-11	METAL CHIP	10K	0.50%	1/10W		X305	1-781-282-11	VIBRATOR, CERAMI			
R847	1-218-870-11	METAL CHIP	9.1K	0.50%	1/10W		X307	1-760-895-21	VIBRATOR, CERAMI			
R848	1-216-836-11	METAL CHIP	18K	5%	1/10W		X701	1-795-572-11	VIBRATOR, CRYSTA	L		
R849	1-216-836-11	METAL CHIP	18K	5%	1/10W	╽┌⋀						
R851	1-216-833-11	METAL CHIP	10K	5%	1/10W		1 リ					
R853	1-218-871-11	METAL CHIP	10K		1/10W							
R854	1-216-838-11	METAL CHIP	27K	5%	1/10W				this board, performi			
R855	1-216-864-11	SHORT CHIP	2/10	070	171000				led. If service is req	uired, com	plete b	oard
R857	1-216-838-11	METAL CHIP	27K	5%	1/10W		•	•	red repair method.			
11007	1 210 000 11	WE IAE OF III	2710	070	171011		Data is p	rovided for refer	ence only.			
R860	1-249-389-11	CARBON	4.7	5%	1/4W	*		A-1302-179-A	AD BOARD, COM	PLETE		
R861	1-249-389-11	CARBON	4.7	5%	1/4W							
R862	1-216-839-11	METAL CHIP	33K	5%	1/10W			<u>CAPACITOR</u>				
R863	1-216-841-11	METAL CHIP	47K	5%	1/10W		C1601	1-126-933-11	ELECT	100µF	20%	16V
R864	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C1601	1-126-933-11	ELECT	100μF 100μF	20%	16V 16V
R867	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		C1603	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R869	1-216-834-11	METAL CHIP	4.7K 12K	5% 5%	1/10W		C1604	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R870			12K 47K	5% 5%			C1605	1-164-156-11	CERAMIC CHIP	0.1µF		25V
	1-216-841-11	METAL CHIP			1/10W		- ·					=*:
R871	1-216-809-11	METAL CHIP	100	5%	1/10W							



REF.NO.	PART NO.	DESCRIPTION	VALUES	3		 REF.NO.	PART NO.	DESCRIPTION	VALUE	S	
C1606	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1661	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1607	1-126-933-11	ELECT	100µF	20%	16V	C1663	1-126-933-11	ELECT	100µF	20%	16V
C1608	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1664	1-126-933-11	ELECT	100µF	20%	16V
C1609	1-162-966-11	CERAMIC CHIP	0.0022µF	10%	50V	C1665	1-126-933-11	ELECT	100μF	20%	16V
C1610	1-162-962-11	CERAMIC CHIP	470pF	10%	50V	C1666	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
01010	1-102-302-11	OLIVAIMIO OTIII	+1 орг	10 /0	30 V	01000	1-102-321-11	OLIVAINIO OI III	тоорі	J /0	30 V
C1611	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1668	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C1612	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1669	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	50V
C1613	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1670	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1614	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1671	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1615	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1672	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1616	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1673	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	E0\/
C1617	1-164-156-11	CERAMIC CHIP	0.1μF		25V 25V	C1673	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
				200/					•		
C1618	1-126-933-11	ELECT CLUB	100μF	20%	16V	C1675	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C1619	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1676	1-163-137-00	CERAMIC CHIP	680pF	5%	50V
C1621	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1677	1-126-933-11	ELECT	100µF	20%	16V
C1625	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1678	1-163-137-00	CERAMIC CHIP	680pF	5%	50V
C1626	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1680	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1627	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1681	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1628	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1682	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1629	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1683	1-164-156-11	CERAMIC CHIP	0.1µF		25V
04000	4 404 450 44	OEDANIO OLUD	0.4 5		05)/	04004	4 404 450 44	OEDAMIO OLUD	0.4.5		05)/
C1630	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V	C1684	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1631	1-126-933-11	ELECT	100µF	20%	16V	C1685	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1632	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1688	1-164-156-11	CERAMIC CHIP	0.1µF	=0/	25V
C1633	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V	C1690	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C1634	1-126-963-11	ELECT	4.7µF	20%	50V	C1691	1-126-933-11	ELECT	100µF	20%	16V
C1635	1-162-923-11	CERAMIC CHIP	47pF	5%	50V	C1692	1-126-933-11	ELECT	100µF	20%	16V
C1636	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C1693	1-126-933-11	ELECT	100µF	20%	16V
C1637	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C1694	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
C1638	1-162-919-11	CERAMIC CHIP	22pF	5%	50V	C1695	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	
C1639	1-126-933-11	ELECT	100µF	20%	16V	C1696	1-162-910-11	CERAMIC CHIP	5pF	0.25pF	
04040	4 400 000 44	FLEOT	400 5	000/	40) /	04007	4 404 450 44	OEDAMIO OLUD	0.4.5		05)/
C1640	1-126-933-11	ELECT	100µF	20%	16V	C1697	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1641	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1698	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1643	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1699	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1644	1-164-156-11	CERAMIC CHIP	0.1µF	-0/	25V	C1700	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1645	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C1701	1-162-968-11	CERAMIC CHIP	0.0047µF	10%	50V
C1646	1-164-315-11	CERAMIC CHIP	470pF	5%	50V	C1704	1-126-933-11	ELECT	100µF	20%	16V
C1647	1-163-137-00	CERAMIC CHIP	680pF	5%	50V	C1707	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C1649	1-163-137-00	CERAMIC CHIP	680pF	5%	50V	C1708	1-163-137-00	CERAMIC CHIP	680pF	5%	50V
C1651	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1709	1-164-315-11	CERAMIC CHIP	470pF	5%	50V
C1652	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1711	1-163-137-00	CERAMIC CHIP	680pF	5%	50V
04050	1 164 156 14	CEDAMIC CLUB	0.4		25/	C4740	1 164 150 44	CEDAMIC CLUB	0.4		251/
C1656	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1712	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1657	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1714	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C1658	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1715	1-164-156-11	CERAMIC CHIP	0.1µF	E0/	25V
C1659	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C1717	1-162-927-11	CERAMIC CHIP	100pF	5%	50V



REF.NO.	PART NO.	DESCRIPTION	VALUES		REF.NO.	PART NO.	DESCRIPTION	VAL	UES	
C1718	1-164-156-11	CERAMIC CHIP	0.1µF	25V		<u>IC</u>				
C1720	1-162-910-11	CERAMIC CHIP	5pF 0	.25pF 50V	104004	0.750.000.55	10	014004	745	
C1721	1-162-927-11	CERAMIC CHIP	100pF 5	% 50V	IC1601	8-759-683-55	IC	CM001		
C1722	1-162-910-11	CERAMIC CHIP	5pF 0	.25pF 50V	IC1602	8-759-830-08	IC		68V-TE2	
C1730	1-126-916-11	ELECT	1000µF 2	0% 6.3V	IC1603	8-759-830-08	IC		68V-TE2	
			·		IC1605	8-759-352-91	IC	PST914		
C1731	1-162-970-11	CERAMIC CHIP	0.01µF 1	0% 25V	IC1606	8-752-933-62	IC	CXP86	460-647Q	
C1732	1-162-970-11	CERAMIC CHIP	0.01µF 1	0% 25V						_
C1733	1-162-970-11	CERAMIC CHIP	0.01µF 1	0% 25V	IC1607	6-700-319-01	IC		B-BWMN6	šΤ
C1734	1-162-970-11	CERAMIC CHIP	0.01µF 1	0% 25V	IC1608	8-759-829-87	IC	CD003		
			·		IC1609	8-759-830-08	IC		68V-TE2	
	CONNECTOR				IC1610	8-759-830-08	IC		68V-TE2	
					IC1611	8-759-830-08	IC		68V-TE2	
CN1601	1-573-301-22	CONNECTOR, BOAR			IC1612	8-759-830-08	IC	NJM20	68V-TE2	
CN1602	1-573-301-22	CONNECTOR, BOAR	O TO BOARD 2	0P						
						<u>COIL</u>				
	DIODE				L1602	1-469-555-21	INDUCTOR	10µH		
D1601	8-719-988-61	DIODE	1SS355TE-1	7	21002	1 100 000 21	1112001011	.ομ		
D1603	8-719-988-61	DIODE	1SS355TE-1		п	TRANSISTOR				
D1604	8-719-069-54	DIODE	UDZSTE-17			- THU LIVE TO THE				
D1605	8-719-069-54	DIODE	UDZSTE-17		Q1603	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
D1606	8-719-069-54	DIODE	UDZSTE-17		Q1604	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
B 1000	0 1 10 000 01	DIODL	ODZOTZ III	0.15	Q1606	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
D1607	8-719-069-54	DIODE	UDZSTE-17	5 1B	Q1607	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
D1691	8-719-988-61	DIODE	1SS355TE-1							
D1692	8-719-988-61	DIODE	1SS355TE-1			<u>RESISTOR</u>				
D1693	8-719-988-61	DIODE	1SS355TE-1		R1600	1-216-833-11	METAL CHIP	10K	5%	1/10W
2.000		2.022		•	R1601	1-216-841-11	METAL CHIP	47K	5%	1/10W
	FERRITE BEAD				R1602	1-216-833-11	METAL CHIP	10K	5%	1/10W
					R1603	1-216-821-11	METAL CHIP	1K	5%	1/10W
FB1601	1-414-445-11	FERRITE	0μΗ		R1604	1-216-833-11	METAL CHIP	10K	5%	1/10W
FB1602	1-414-445-11	FERRITE	0μΗ		111004	1-210-033-11	WILLIAL CITII	TOIX	3 /0	1/1000
FB1603	1-414-445-11	FERRITE	0μΗ		R1605	1-216-821-11	METAL CHIP	1K	5%	1/10W
FB1604	1-414-445-11	FERRITE	0μΗ		R1606	1-216-821-11	METAL CHIP	1K	5%	1/10W
FB1605	1-414-445-11	FERRITE	0μΗ		R1607	1-216-821-11	METAL CHIP	1K	5%	1/10W
					R1608	1-216-809-11	METAL CHIP	100	5%	1/10W
FB1606	1-414-445-11	FERRITE	0μH		R1609	1-216-809-11	METAL CHIP	100	5%	1/10W
FB1607	1-414-445-11	FERRITE	0μΗ		171009	1-210-009-11	WILLIAL CITII	100	3 /0	1/1000
FB1608	1-414-445-11	FERRITE	0μΗ		R1611	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
FB1609	1-414-445-11	FERRITE	0μΗ		R1614	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
FB1610	1-414-445-11	FERRITE	0μH		R1615	1-216-821-11	METAL CHIP	1K	5%	1/10W
					R1618	1-216-809-11	METAL CHIP	100	5%	1/10W
FB1611	1-414-445-11	FERRITE	0μΗ		R1619	1-216-864-11	SHORT CHIP	100	3 /0	1/1000
FB1612	1-414-445-11	FERRITE	0μΗ		1019	1-210-004-11	SHORT OTH			
FB1613	1-414-445-11	FERRITE	0μΗ		R1620	1-216-809-11	METAL CHIP	100	5%	1/10W
FB1614	1-414-445-11	FERRITE	0μH		R1621	1-216-821-11	METAL CHIP	1K	5%	1/10W
FB1615	1-414-445-11	FERRITE	0μH		R1622	1-216-839-11	METAL CHIP	33K	5%	1/10W
					R1622 R1623	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
FB1616	1-414-445-11	FERRITE	0μΗ		R1625	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
FB1617	1-414-445-11	FERRITE	0μΗ		1/1025	1-210-021-11	IVIL IAL OI IIF	ıı	J /0	1/ 1000
					R1627	1-216-821-11	METAL CHIP	1K	5%	1/10W
					R1634	1-216-809-11	METAL CHIP	100	5% 5%	1/10W
					1 K1034	1-210-009-11	IVIE IAL UNIF	100	370	1/ 10 88



REF.NO.	PART NO.	DESCRIPTION	VALUI	ES			REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R1635	1-216-809-11	METAL CHIP	100	5%	1/10W		R1686	1-216-809-11	METAL CHIP	100	5%	1/10W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1687	1-216-817-11	METAL CHIP	470	5%	1/10W
R1637	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1690	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1638	1-216-813-11	METAL CHIP	220	5%	1/10W		R1691	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1639	1-216-809-11	METAL CHIP	100	5%	1/10W		R1692	1-218-724-11	METAL CHIP	22K	0.50%	
R1641	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R1693	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1642	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1694	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R1643	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1695	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R1644	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R1696	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R1645	1-216-815-11	METAL CHIP	330	5%	1/10W		R1697	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
D4040	4 040 005 44	METAL CLUD	0.01/	F0/	4/40/4/		D4600	4 040 700 44	METAL CUID	0.01/	0.500/	4/40\\
R1646	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		R1698	1-218-700-11	METAL CHIP	2.2K		1/10W
R1647	1-216-833-11	METAL CHIP	10K	5%	1/10W		R1699	1-218-700-11	METAL CHIP	2.2K		1/10W
R1648	1-216-809-11	METAL CHIP	100	5%	1/10W		R1700	1-218-700-11	METAL CHIP	2.2K		1/10W
R1649	1-216-809-11	METAL CHIP	100	5%	1/10W		R1701	1-218-700-11	METAL CHIP	2.2K		1/10W
R1650	1-216-815-11	METAL CHIP	330	5%	1/10W		R1702	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1651	1-216-815-11	METAL CHIP	330	5%	1/10W		R1703	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1652	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1704	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1653	1-216-817-11	METAL CHIP	470	5%	1/10W		R1705	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R1654	1-216-829-11	METAL CHIP	4.7K	5%	1/10W		R1706	1-218-724-11	METAL CHIP	22K	0.50%	1/10W
R1655	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W		R1707	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
D.4050	4 040 000 44	METAL OLUB	417	0.500/	4/40/4/		D.1700	4 040 740 44	METAL OLUB	4014	0.500/	4/4014/
R1656	1-218-692-11	METAL CHIP	1K		1/10W		R1708	1-218-716-11	METAL CHIP	10K		1/10W
R1657	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1709	1-218-716-11	METAL CHIP	10K		1/10W
R1658	1-216-837-11	METAL CHIP	22K	5%	1/10W		R1711	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1659	1-216-837-11	METAL CHIP	22K	5%	1/10W		R1712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1660	1-216-821-11	METAL CHIP	1K	5%	1/10W		R1713	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1662	1-216-823-11	METAL CHIP	1.5K	5%	1/10W		R1714	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1665	1-218-700-11	METAL CHIP	2.2K		1/10W			RESISTOR BRIDG	3F			
R1666	1-218-700-11	METAL CHIP	2.2K		1/10W			REDIOTOR BRIDE	<u> </u>			
R1667	1-218-700-11	METAL CHIP	2.2K		1/10W		RB1603	1-233-576-11	RES, CHIP NETWORK	100		
R1668	1-218-700-11	METAL CHIP	2.2K		1/10W		RB1604	1-233-576-11	RES, CHIP NETWORK	100		
111000	1-210-700-11	WE TAL OT III	2.21	0.5070	171000		RB1605	1-233-576-11	RES, CHIP NETWORK	100		
R1669	1-218-724-11	METAL CHIP	22K	0.50%	1/10W			CDVCTAL				
R1670	1-218-724-11	METAL CHIP	22K	0.50%	1/10W			CRYSTAL				
R1671	1-218-724-11	METAL CHIP	22K	0.50%	1/10W		X1601	1-795-789-21	PIEZ0ELECTRIC OSCIL	LATOR		
R1672	1-218-724-11	METAL CHIP	22K	0.50%	1/10W		—					
R1673	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	Ш	J					
R1674	1-218-716-11	METAL CHIP	10K	0.50%	1/10W	*		A-1302-178-A	U BOARD, COMPLE	TE		
R1675	1-218-716-11	METAL CHIP	10K		1/10W	"		A-1302-170-A	U BUARD, CUMPLE	16		
R1676	1-216-821-11	METAL CHIP	1K	5%	1/10W			CADACITOD				
R1680	1-216-821-11	SHORT CHIP	1IV	J /0	1/ 1000	1		CAPACITOR				
R1681	1-218-716-11	METAL CHIP	10K	0.50%	1/10W		C2001	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
111001	1-210-110 - 11	WIE IAE OF III	IVIN	0.50 /0	17 1044		C2002	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R1682	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	1	C2003	1-126-941-11	ELECT	470µF	20%	25V
R1683	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W		C2004	1-128-551-11	ELECT	22µF	20%	63V
R1684	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W	1	C2005	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
R1685	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W							
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REF.NO.	PART NO.	DESCRIPTION	VALUE	S			REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
C2006	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C2077	1-126-933-11	ELECT	100µF	20%	16V
C2007	1-126-964-11	ELECT	10µF	20%	50V		C2078	1-126-933-11	ELECT	100µF	20%	16V
C2008	1-126-964-11	ELECT	10μF	20%	50V		C2079	1-126-933-11	ELECT	100µF	20%	16V
C2012	1-126-964-11	ELECT	10μF	20%	50V		C2080	1-126-933-11	ELECT	100µF	20%	16V
C2013	1-126-964-11	ELECT	10μF	20%	50V		C2081	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
02010	1-120-304-11	LLLOI	ισμι	2070	30 V		02001	1-107-020-11	OLIVAIVIIO OFIII	υ. τμι	10 /0	101
C2014	1-126-960-11	ELECT	1µF	20%	50V		C2083	1-126-933-11	ELECT	100µF	20%	16V
C2015	1-126-960-11	ELECT	1μF	20%	50V		C2084	1-126-933-11	ELECT	100µF	20%	16V
C2016	1-126-964-11	ELECT	10µF	20%	50V		C2085	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2017	1-126-964-11	ELECT	10µF	20%	50V		C2087	1-164-160-11	CERAMIC CHIP	20pF	5%	50V
C2018	1-126-960-11	ELECT	1µF	20%	50V		C2088	1-126-964-11	ELECT	10μF	20%	50V
C2019	1-126-964-11	ELECT	10µF	20%	50V		C2089	1-126-964-11	ELECT	10µF	20%	50V
C2020	1-126-964-11	ELECT	10μF	20%	50V		C2090	1-164-227-11	CERAMIC CHIP	0.022µF	10%	25V
C2021	1-126-960-11	ELECT	1μF	20%	50V		C2091	1-107-826-11	CERAMIC CHIP	0.022μι 0.1μF	10%	16V
C2022	1-126-960-11	ELECT	1μF	20%	50V		C2092	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2022	1-126-964-11	ELECT	10μF	20%	50V		C2092	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
C2023		ELECT	10μF	20%	50V 50V		02094	1-102-304-11	CENAIVIIC CITIF	0.00 ΓμΓ	10 /0	30 V
02024	1-126-964-11	ELECT	ΙυμΓ	2070	30 V		C2096	1-162-917-11	CERAMIC CHIP	15pF	5%	50V
C2025	1 126 060 11	ELECT	1E	20%	50V						5% 5%	50V 50V
C2025	1-126-960-11	ELECT	1µF		50V 50V		C2097 C2098	1-162-917-11	CERAMIC CHIP	15pF	5% 10%	16V
C2026	1-126-960-11	ELECT	1μF	20%	16V			1-107-826-11	CERAMIC CHIP	0.1µF		
C2028	1-126-933-11	ELECT	100μF	20%	50V		C2099	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2032	1-126-964-11	ELECT	10μF	20%			C2101	1-126-964-11	ELECT	10μF	20%	50V
C2033	1-126-960-11	ELECT	1µF	20%	50V		C2102	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C2036	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C2102	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2037	1-165-176-11	CERAMIC CHIP	0.01µi 0.047µF	10%	16V		C2103	1-107-020-11	ELECT	0.1μ1 10μF	20%	50V
C2038	1-164-816-11	CERAMIC CHIP	220pF	2.00%			C2105	1-126-964-11	ELECT	10μF	20%	50V
C2040	1-104-010-11	ELECT	220μF	20%	16V		C2105	1-126-364-11	FILM	0.1μF	5%	50V
C2043	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V		02100	1-130-103-00	I ILIVI	υ. τμι	J /0	30 V
02043	1-102-370-11	CLIVAIVIIC CI III	υ.υ τμι	10 /0	250		C2107	1-136-165-00	FILM	0.1µF	5%	50V
C2044	1-126-933-11	ELECT	100µF	20%	16V		C2111	1-136-964-11	ELECT	0.1μ1 10μF	20%	50V
C2044	1-120-933-11	CERAMIC CHIP	0.01μF	10%	25V		C2111	1-120-304-11	CERAMIC CHIP	0.1μF	10%	16V
C2045	1-102-970-11	CERAMIC CHIP	0.47µF	10%	10V		C2112	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
C2040	1-125-891-11	CERAMIC CHIP	0.47μΓ 0.47μF	10%	10V		C2114	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V
	1-125-891-11	CERAMIC CHIP	0.47μF	10%	10V 10V		02114	1-107-020-11	CERAIVIIC OF IIF	υ. τμι	10 /0	100
C2050	1-120-091-11	CEIVAINIC OI III	υ.+/μι	10 /0	10 V		C2122	1-126-964-11	ELECT	10μF	20%	50V
C2052	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C2127	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C2055	1-126-964-11	ELECT	10μF	20%	50V		C2128	1-126-964-11	ELECT	10μF	20%	50V
C2056	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V					- 1		
C2060	1-126-933-11	ELECT	100µF	20%	16V			CONNECTOR				
C2061	1-126-964-11	ELECT	10µF	20%	50V							
0200.			٠٠٣.	_0,0		*	CN2001	1-793-923-11	CONNECTOR, DIN (PL	LUG)	64P	
C2062	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	*	CN2002	1-564-526-11	PLUG, CONNECTOR		11P	
C2064	1-126-964-11	ELECT	10μF	20%	50V							
C2069	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V			<u>DIODE</u>				
C2070	1-126-964-11	ELECT	10μF	20%	50V		D2004	0 740 440 47	DIODE	DD40EC	20	
C2071	1-126-933-11	ELECT	100μF	20%	16V		D2001	8-719-110-17 9-710-110-17	DIODE DIODE	RD10ESI		
02011	5 000 11		.σομι	_0 /0			D2002	8-719-110-17 9-710-110-17		RD10ESI		
C2072	1-126-933-11	ELECT	100µF	20%	16V		D2003	8-719-110-17 9-710-110-17	DIODE	RD10ESI		
C2075	1-162-970-11	CERAMIC CHIP	0.01μF	10%	25V		D2004	8-719-110-17 9-710-110-17	DIODE	RD10ESI		
C2076	1-102-370-11	ELECT	0.01μΓ 100μF	20%	16V		D2005	8-719-110-17	DIODE	RD10ES	02	
02010	. 120 000 11		ισομι	20 /0	101	I						



 REF.NO.	PART NO.	DESCRIPTION	VALUES	REF.NO.	PART NO.	DESCRIPTION	VALUES
D2006	8-719-110-17	DIODE	RD10ESB2	IC2004	8-752-080-04	IC	CXA2069Q
D2007	8-719-110-17	DIODE	RD10ESB2	IC2007	8-752-394-69	IC	CXD2073Q-T4
D2008	8-719-110-17	DIODE	RD10ESB2				
D2009	8-719-110-17	DIODE	RD10ESB2		<u>JACK</u>		
D2010	8-719-110-17	DIODE	RD10ESB2				
				J2001	1-573-967-12	BLOCK, (S) TERMINAL	
D2011	8-719-110-17	DIODE	RD10ESB2	J2002	1-764-143-21	JACK	
D2012	8-719-110-17	DIODE	RD10ESB2	J2003	1-764-143-21	JACK	
D2013	8-719-110-17	DIODE	RD10ESB2	J2004	1-750-517-21	JACK BLOCK, PIN	3P
D2014	8-719-110-17	DIODE	RD10ESB2	J2005	1-815-015-11	JACK BLOCK, PIN	
D2015	8-719-110-17	DIODE	RD10ESB2				
				J2006	1-815-015-11	JACK BLOCK, PIN	
D2016	8-719-110-17	DIODE	RD10ESB2	J2007	1-750-516-21	JACK BLOCK, PIN	2P
D2017	8-719-110-17	DIODE	RD10ESB2	J2008	1-750-517-21	JACK BLOCK, PIN	3P
D2018	8-719-110-17	DIODE	RD10ESB2	J2009	1-750-516-21	JACK BLOCK, PIN	2P
D2019	8-719-110-17	DIODE	RD10ESB2				
D2020	8-719-110-17	DIODE	RD10ESB2		COIL		
				L2001	1-469-559-21	INDUCTOR	47µH
D2021	8-719-110-17	DIODE	RD10ESB2	L2002	1-469-555-21	INDUCTOR	10μΗ
D2022	8-719-110-17	DIODE	RD10ESB2				
D2023	8-719-110-17	DIODE	RD10ESB2		TRANSISTOR		
D2024	8-719-110-17	DIODE	RD10ESB2				
D2025	8-719-110-17	DIODE	RD10ESB2	Q2001	8-729-422-27	TRANSISTOR	2SD601A-Q
				Q2002	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
D2026	8-719-110-17	DIODE	RD10ESB2	Q2003	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
D2027	8-719-110-17	DIODE	RD10ESB2	Q2004	8-729-422-27	TRANSISTOR	2SD601A-Q
D2029	8-719-110-17	DIODE	RD10ESB2	Q2005	8-729-422-27	TRANSISTOR	2SD601A-Q
D2030	8-719-110-17	DIODE	RD10ESB2				
D2031	8-719-110-17	DIODE	RD10ESB2	Q2006	8-729-422-27	TRANSISTOR	2SD601A-Q
				Q2007	8-729-422-27	TRANSISTOR	2SD601A-Q
D2032	8-719-110-17	DIODE	RD10ESB2	Q2008	8-729-422-27	TRANSISTOR	2SD601A-Q
D2033	8-719-991-33	DIODE	1SS133T-77	Q2009	8-729-422-27	TRANSISTOR	2SD601A-Q
D2034	8-719-991-33	DIODE	1SS133T-77	Q2010	8-729-422-27	TRANSISTOR	2SD601A-Q
D2035	8-719-110-17	DIODE	RD10ESB2	00040	0.700.404.00	TDANGIOTOD	00D7004 OD0 TV
D2039	8-719-110-17	DIODE	RD10ESB2	Q2012	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
D2042	8-719-110-17	DIODE	RD10ESB2	Q2013	8-729-422-27	TRANSISTOR	2SD601A-Q
				Q2015	8-729-422-27	TRANSISTOR	2SD601A-Q
	FERRITE BEAD			Q2016	8-729-422-27	TRANSISTOR	2SD601A-Q
FB2001	1-414-760-21	FERRITE	0μH	Q2017	8-729-422-27	TRANSISTOR	2SD601A-Q
FB2002	1-414-445-11	FERRITE	OμH	Q2020	8-729-422-27	TRANSISTOR	2SD601A-Q
			'	Q2021	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	<u>FILTER</u>			Q2022	8-729-422-27	TRANSISTOR	2SD601A-Q
El 0004	1 000 010 01	EU TED 1 014/ D400		Q2024	8-729-422-27	TRANSISTOR	2SD601A-Q
FL2001	1-239-848-21	FILTER, LOW PASS		Q2025	8-729-422-27	TRANSISTOR	2SD601A-Q
FL2002	1-239-848-21	FILTER, LOW PASS				-	•
FL2003	1-239-848-21	FILTER, LOW PASS		Q2026	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	ıc			Q2027	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
	<u>IC</u>			Q2028	8-729-424-02	TRANSISTOR	2SB709A-QRS-TX
IC2001	6-701-105-01	IC	NJM2750M-TE2	Q2029	8-729-422-27	TRANSISTOR	2SD601A-Q
IC2002	8-759-443-11	IC	NJM2283M-TE1				
IC2003	8-759-100-96	IC	UPC4558G2				



R2001 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2046 1-216-818-11 METAL CHIP 560 5 5 5 5 5 5 5 5 5	
R2001 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2046 1-216-853-11 METAL CHIP 560 5 5 5 5 5 5 5 5 5	% 1/10W
R2001 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2047 1-216-809-11 METAL CHIP 100 5 1/20W R2047 1-216-809-11 METAL CHIP 100 5 1/20W R2047 1-216-809-11 METAL CHIP 100 5 1/20W R2048 1-216-809-11 METAL CHIP 100 5 1/20W R2049 1-216-809-11 METAL CHIP 1/20W 1/20W R2048 1-216-809-11 METAL CHIP 1/20W 1/20W R2049 1-216-809-11 METAL CHIP 1/20W 1/20W R2049 1-216-809-11 METAL CHIP 1/20W 1/20W R2049 1-216-809-11 METAL CHIP 1/20W 1/20W R2050 1-216-809-11 METAL CHIP 1/20W R2060 1-216-809-11 METAL CHIP	% 1/10W
R2002 1-216-853-11 METAL CHIP 470K 5% 1/10W R2049 1-216-809-11 METAL CHIP 4.7K 5 R2004 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2048 1-216-829-11 METAL CHIP 4.7K 5 R2005 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2049 1-216-809-11 METAL CHIP 4.7K 5 R2006 1-216-853-11 METAL CHIP 4.7K 5 1/10W R2050 1-216-809-11 METAL CHIP 4.7K 5 R2007 1-216-853-11 METAL CHIP 4.7K 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7K 5 R2008 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2052 1-216-817-11 METAL CHIP 470 5 R2009 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2053 1-216-817-11 METAL CHIP 470 5 R2010 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2053 1-216-817-11 METAL CHIP 470 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-809-11 METAL CHIP 100 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-809-11 METAL CHIP 1K 5 R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-809-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 10K 0 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2060 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-853-11 METAL CHIP 470K 5% 1/10W R2063 1-216-809-11 METAL CHIP 470 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2063 1-216-809-11 METAL CHIP 470 5 R2014 1-216-865-11 METAL CHIP 470K 5% 1/10W R2063 1-216-809-11 METAL CHIP 470 5 R2014 1-216-865-11 METAL CHIP	% 1/10W
R2003 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2048 1-216-829-11 METAL CHIP 4.7K 5 0.50% 1/10W R2048 1-216-829-11 METAL CHIP 4.7K 5 0.50% 1/10W R2049 1-216-809-11 METAL CHIP 4.7K 5 0.50% 1/10W R2050 1-216-809-11 METAL CHIP 4.7K 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2052 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2051 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-817-11 METAL CHIP 4.7C 5 1/10W R2053 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2063 1-216-809-11 METAL CHIP 4.7C 5 1/10W R2065	% 1/10W
R2004 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2005 1-216-865-11 METAL CHIP 75 0.50% 1/10W R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2007 1-216-853-11 METAL CHIP 470K 5% 1/10W R2008 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 75 0.50% 1/10W R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-216-853-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2022 1-216-853-11 METAL CHIP 470K 5% 1/10W R2023 1-216-809-11 METAL CHIP 470 5 R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2021 1-216-853-11 METAL CHIP 470K 5% 1/10W R2022 1-216-853-11 METAL CHIP 470K 5% 1/10W R2023 1-216-853-11 METAL CHIP 470K 5% 1/10W R2024 1-216-853-11 METAL CHIP 470K 5% 1/10W R2025 1-216-853-11 METAL CHIP 470K 5% 1/10W R2026 1-216-817-11 METAL CHIP 470K 5% 1/10W R2026 1-216-817-11 METAL CHIP 470K 5% 1/10W R2026 1-216-817-11 META	% 1/10W
R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2051 1-216-809-11 METAL CHIP 470 5 R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2053 1-216-817-11 METAL CHIP 470 5 R2010 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-817-11 METAL CHIP 100 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 100 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-821-11 METAL CHIP 100 5 R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 10K 0 R2051 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 10K 0 R2051 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-817-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2061 1-216-809-11 METAL CHIP 470 5 R2016 1-216-8	
R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2051 1-216-809-11 METAL CHIP 100 5 R2007 1-216-853-11 METAL CHIP 470K 5% 1/10W R2052 1-216-817-11 METAL CHIP 470 5 R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2053 1-216-817-11 METAL CHIP 470 5 R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2054 1-216-809-11 METAL CHIP 100 5 R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 100 5 R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2058 1-216-809-11 METAL CHIP 10K 0 1 1 1 1 1 1 1 1 1	% 1/10W
R2006 1-216-853-11 METAL CHIP 470K 5% 1/10W R2051 1-216-809-11 METAL CHIP 470 5 8 1/20W R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 470K 5% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-817-11 METAL CHIP 470 5 R2016 1-216-835-11 METAL CHIP 470K 5% 1/10W R2015 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2015 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2016 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2016 1-216-817-11 METAL CHIP 470 5 R2016 1-216-831-11 METAL CHIP 470K 5% 1/10W R2016 1-216-801-11 METAL CHIP 470 5 R	
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R2009 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2010 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W	
R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 1W 5 R2058 1-216-821-11 METAL CHIP 1W 5 R2058 1-216-821-11 METAL CHIP 1W 5 R2058 1-216-809-11 METAL CHIP 1W 6 R2057 1-216-809-11 METAL CHIP 1W 6 R2058 1-218-716-11 METAL CHIP 1W 6 R2058 1-216-817-11 METAL CHIP 1W 6 R2059 1-216-817-11 METAL CHIP 1W 6 R2060 1-216-817-11 METAL CHIP 1W 6 R2060 1-216-817-11 METAL CHIP 1W 6 R2061 1-216-809-11 METAL CHIP 1W	/0 1/1 /0
R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2055 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2057 1-216-809-11 METAL CHIP 100 5 R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-809-11 METAL CHIP 470K 5% 1	% 1/10W
R2011 1-216-853-11 METAL CHIP 470K 5% 1/10W R2056 1-216-821-11 METAL CHIP 1K 5 R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 470K 5% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-809-11 METAL CHIP 100 5 R2019 1-216-809-11 META	
R2012 1-216-853-11 METAL CHIP 470K 5% 1/10W R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-605-11 METAL CHIP 470K 5% 1/10W R2021 1-218-605-11 METAL CHIP 470K 5% 1/10W	
R2013 1-216-853-11 METAL CHIP 470K 5% 1/10W R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 100 5	
R2014 1-216-853-11 METAL CHIP 470K 5% 1/10W R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 470K 5% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W	
R2015 1-216-853-11 METAL CHIP 470K 5% 1/10W R2059 1-216-817-11 METAL CHIP 470 5 R2016 1-216-853-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-809-11 METAL CHIP 100 5 R2019	.50% 1/10W
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R2016 1-216-853-11 METAL CHIP 470K 5% 1/10W R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2063 1-216-809-11 METAL CHIP 100 5 R2064 1-216-809-11 METAL CHIP 100 5 R2061 1-218-665-11 METAL CHIP 2.2K 5 R2061 1-218-665-11 METAL CHIP 47K 5	
R2017 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2022 1-216-809-11 METAL CHIP 100 5 R2023 1-216-829-11 METAL CHIP 100 5 R2024 1-216-829-11 METAL CHIP 2.2K 5 R2025 1-216-829-11 METAL CHIP 4.7K 5	
R2018 1-216-853-11 METAL CHIP 470K 5% 1/10W R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2022 1-216-877-11 METAL CHIP 100 5 R2023 1-216-809-11 METAL CHIP 100 5 R2024 1-216-829-11 METAL CHIP 2.2K 5 R2025 1-216-829-11 METAL CHIP 4.7K 5	
R2019 1-216-853-11 METAL CHIP 470K 5% 1/10W R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2065 1-216-809-11 METAL CHIP 100 5 R2065 1-216-825-11 METAL CHIP 2.2K 5 R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W	
R2020 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2064 1-216-809-11 METAL CHIP 100 5 R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2065 1-216-829-11 METAL CHIP 2.2K 5 R2021 1-218-665-11 METAL CHIP 4.7K 5	% 1/10W
R2004 1-216-609-11 METAL CHIP 100 5 R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2066 1-216-829-11 METAL CHIP 2.2K 5 R2021 1-218-665-11 METAL CHIP 4.7K 5	
R2021 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2066 1-216-829-11 METAL CHIP 4.7K 5	% 1/10W
I KZUDD 1-Z 10-0Z9-11 WELAL CHIE 4.7N 3	% 1/10W
	% 1/10W
R2022 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2067 1-216-809-11 METAL CHIP 100 5	% 1/10W
R2023 1-216-853-11 METAL CHIP 470K 5% 1/10W R2068 1-216-825-11 METAL CHIP 2.2K 5	% 1/10W
R2024 1-216-853-11 METAL CHIP 470K 5% 1/10W	
R2025 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2069 1-216-825-11 METAL CHIP 2.2K 5	% 1/10W
R2070 1-216-825-11 METAL CHIP 2.2K 5	% 1/10W
R2026 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2071 1-216-809-11 METAL CHIP 100 5	% 1/10W
R2027 1-218-665-11 METAL CHIP 75 0.50% 1/10W R2072 1-216-829-11 METAL CHIP 4.7K 5	% 1/10W
R2028 1-218-716-11 METAL CHIP 10K 0.50% 1/10W R2073 1-216-809-11 METAL CHIP 100 5	% 1/10W
R2029 1-218-716-11 METAL CHIP 10K 0.50% 1/10W	
R2030 1-216-809-11 METAL CHIP 100 5% 1/10W R2074 1-216-809-11 METAL CHIP 100 5	% 1/10W
	% 1/10W
D2021 1 216 241 11 METAL CHID 47K 5% 1/10M I	% 1/10W
R2032 1-216-845-11 METAL CHIP 100K 5% 1/10W R2078 1-216-864-11 SHORT CHIP	/0 1/1 /0
D2024 1 216 202 11 METAL CLID 22 59/ 1/10\N/ I	% 1/10W
R2035 1-216-809-11 METAL CHIP 100 5% 1/10W	/0 I/ IUVV
R2036 1-216-809-11 METAL CHIP 100 5% 1/10W P2094 4 246 900 44 METAL CHIP 400 5	1/40\A/
R2001 1-210-009-11 METAL CHIP 100 5	% 1/10W
D2027 1 216 200 11 METAL CHID 100 50/ 1/10\N/ I	% 1/10W
D2039 1 246 900 11 METAL CHID 100 59/ 1/40W R2003 1-210-004-11 SHOKT CHIP	1/4
D2020 1 246 933 11 METAL CHID 10V 59/ 1/10\N R2004 1-210-009-11 WETAL CHIP 100 5	% 1/10W
R2085 1-216-821-11 METAL CHIP 1M 5% 1/10W R2085 1-216-821-11 METAL CHIP 1K 5	% 1/10W
D2041 1 246 942 11 METAL CHID 56V 50/ 1/40W	
R2000 1-210-029-11 WETAL CHIP 4.7N 5	% 1/10W
D20A2 1 216 226 11 METAL CHID 2 2K 6W 1/10W I	% 1/10W
I KZU00 1-Z ID-004-11 OFUKT CETE	
R2043 1-216-809-11 METAL CHIP 100 5% 1/10W R2089 1-216-809-11 METAL CHIP 100 5	% 1/10W





REF.NO.	PART NO.	DESCRIPTION	VALUE	ES		REF.NO.	PART NO.	DESCRIPTION	VALUE	ES	
R2090	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2159	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R2092	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R2164	1-218-710-11	METAL CHIP	5.6K		1/10W
R2094	1-216-864-11	SHORT CHIP		-,-		R2166	1-216-818-11	METAL CHIP	560	5%	1/10W
R2096	1-216-809-11	METAL CHIP	100	5%	1/10W	R2169	1-216-842-11	METAL CHIP	56K	5%	1/10W
R2097	1-216-809-11	METAL CHIP	100	5%	1/10W	R2173	1-216-818-11	METAL CHIP	560	5%	1/10W
112001	1 210 000 11	ME II IE OI III	100	070		1,2110	121001011	III II II OI III	000	070	
R2098	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2174	1-218-686-11	METAL CHIP	560	0.50%	1/10W
R2099	1-216-809-11	METAL CHIP	100	5%	1/10W	R2175	1-216-817-11	METAL CHIP	470	5%	1/10W
R2100	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2176	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2103	1-216-809-11	METAL CHIP	100	5%	1/10W	R2177	1-216-809-11	METAL CHIP	100	5%	1/10W
R2104	1-216-809-11	METAL CHIP	100	5%	1/10W	R2178	1-218-676-11	METAL CHIP	220	0.50%	1/10W
R2105	1-216-809-11	METAL CHIP	100	5%	1/10W	R2182	1-216-864-11	SHORT CHIP			
R2107	1-216-807-11	METAL CHIP	68	5%	1/10W	R2183	1-216-813-11	METAL CHIP	220	5%	1/10W
R2108	1-216-841-11	METAL CHIP	47K	5%	1/10W	R2184	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W
R2109	1-216-809-11	METAL CHIP	100	5%	1/10W	R2185	1-218-684-11	METAL CHIP	470	0.50%	1/10W
R2110	1-216-809-11	METAL CHIP	100	5%	1/10W	R2186	1-218-688-11	METAL CHIP	680	0.50%	1/10W
R2111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R2187	1-216-864-11	SHORT CHIP			
R2113	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2193	1-216-809-11	METAL CHIP	100	5%	1/10W
R2114	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2194	1-216-817-11	METAL CHIP	470	5%	1/10W
R2115	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2195	1-216-817-11	METAL CHIP	470	5%	1/10W
R2116	1-216-832-11	METAL CHIP	8.2K	5%	1/10W	R2196	1-216-817-11	METAL CHIP	470	5%	1/10W
R2118	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2197	1-216-817-11	METAL CHIP	470	5%	1/10W
R2121	1-216-809-11	METAL CHIP	100	5%	1/10W	R2198	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2122	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2199	1-216-853-11	METAL CHIP	470K	5%	1/10W
R2123	1-218-684-11	METAL CHIP	470	0.50%	1/10W						
R2124	1-216-821-11	METAL CHIP	1K	5%	1/10W	$ \mathbf{B} $					
D2425	1 210 702 11	METAL CHID	2.71/	0.500/	1/10W	Due to th	e complexity of	this board, performir	na compor	ent lev	el field
R2125	1-218-702-11	METAL CHIP	2.7K					ded. If service is requ			
R2130	1-216-805-11	METAL CHIP	47	5%	1/10W			red repair method.	,	,,,,,	
R2131	1-216-825-11	METAL CHIP	2.2K	5%	1/10W		rovided for refer				
R2132	1-216-833-11	METAL CHIP	10K	5%	1/10W			•			
R2133	1-218-674-11	METAL CHIP	180	0.50%	1/10W	*	A-1302-209-A	B BOARD, COMPL	ETE		
D0400	4 040 040 44	METAL OLUD	200	5 0/	4/40\4/		4-382-854-11	SCREW (M3X10), P, S'	W (+)		
R2136	1-216-816-11	METAL CHIP	390	5%	1/10W	*	7-651-000-50	GREASE, SILICON (G-	746) 200G		
R2137	1-218-700-11	METAL CHIP	2.2K		1/10W						
R2138	1-216-809-11	METAL CHIP	100	5%	1/10W		CAPACITOR				
R2142	1-216-815-11	METAL CHIP	330	5%	1/10W	00004	4 400 450 04	ELECT OLUB	4	000/	0.01/
R2147	1-216-814-11	METAL CHIP	270	5%	1/10W	C3001	1-128-453-21	ELECT CHIP	47μF	20%	6.3V
D0440	4 040 740 44	METAL OLUD	E 01/	0.500/	4/40\4/	C3002	1-128-453-21	ELECT CHIP	47μF	20%	6.3V
R2148	1-218-710-11	METAL CHIP	5.6K		1/10W	C3003	1-128-453-21	ELECT CHIP	47μF	20%	6.3V
R2149	1-216-817-11	METAL CHIP	470	5%	1/10W	C3035	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R2150	1-216-821-11	METAL CHIP	1K	5%	1/10W	C3044	1-164-156-11	CERAMIC CHIP	0.1µF		25V
R2151	1-218-698-11	METAL CHIP	1.8K		1/10W			0=5.440 5::::=			
R2152	1-218-694-11	METAL CHIP	1.2K	0.50%	1/10W	C3089	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
B4:=-			414	-0.		C3090	1-126-204-11	ELECT CHIP	47µF	20%	16V
R2153	1-216-821-11	METAL CHIP	1K	5%	1/10W	C3096	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
R2155	1-216-837-11	METAL CHIP	22K	5%	1/10W	C3101	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
R2156	1-216-841-11	METAL CHIP	47K	5%	1/10W	C3102	1-162-925-11	CERAMIC CHIP	68pF	5%	50V
R2157	1-216-825-11	METAL CHIP	2.2K	5%	1/10W						



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALUE	ES .	
C3301	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3347	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3302	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3348	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3303	1-126-206-11	ELECT CHIP	100µF	20%	6.3V	C3349	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3304	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3350	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3305	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3351	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3306	1-126-204-11	ELECT CHIP	47µF	20%	16V	C3352	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3307	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3353	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3308	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3354	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3309	1-126-206-11	ELECT CHIP	100µF	20%	6.3V	C3355	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3310	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3356	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3311	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3357	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3312	1-126-206-11	ELECT CHIP	100µF	20%	6.3V	C3358	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3313	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3359	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3314	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3360	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3315	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3361	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3316	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3362	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V
C3317	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3363	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3318	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3364	1-164-156-11	CERAMIC CHIP	0.1µF	2070	25V
C3319	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3365	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3320	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3366	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3321	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3367	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3322	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3368	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3323	1-124-779-00	ELECT CHIP	47μ1 10μF	20%	16V	C3369	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3324	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V	C3370	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3325	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3371	1-164-156-11	CERAMIC CHIP	0.1μF		25V
00020	1 104 100 11	OLIV WIIO OTIII	0.1μ1		201	00071	1 104 100 11	OLIV WIIIO OTIII	υ. τμι		201
C3326	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3372	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3327	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3373	1-162-915-11	CERAMIC CHIP	10pF	0.50pF	50V
C3328	1-124-779-00	ELECT CHIP	10µF	20%	16V	C3374	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3329	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3375	1-127-760-11	CERAMIC CHIP	4.7µF	10%	6.3V
C3331	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3376	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3332	1-124-779-00	ELECT CHIP	10µF	20%	16V	C3377	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
C3333	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3378	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3334	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3379	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3335	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3401	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3336	1-124-779-00	ELECT CHIP	10µF	20%	16V	C3402	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3337	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V	C3403	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3338	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3404	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3339	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3405	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3340	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3406	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3341	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3407	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
C3343	1-164-156-11	CERAMIC CHIP	0.1µF		25V	C3408	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3344	1-164-156-11	CERAMIC CHIP	0.1μF		25V	C3409	1-164-156-11	CERAMIC CHIP	0.1μF	/ •	25V
C3345	1-126-204-11	ELECT CHIP	47μF	20%	16V	C3410	1-164-156-11	CERAMIC CHIP	0.1μF		25V
C3346	1-164-156-11	CERAMIC CHIP	0.1µF	/	25V	C3411	1-164-156-11	CERAMIC CHIP	0.1µF		25V
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REF.NO.	PART NO.	DESCRIPTION	VALUE	S			REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
C3412	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3458	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3413	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3460	1-162-923-11	CERAMIC CHIP	47pF	5%	50V
C3414	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3462	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3415	1-124-779-00	ELECT CHIP	10µF	20%	16V		C3463	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3416	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3464	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3417	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3465	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3418	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3466	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3419	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3467	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3420	1-124-779-00	ELECT CHIP	10μF	20%	16V		C3468	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3421	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3469	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3422	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3470	1-126-206-11	ELECT CHIP	100µF	20%	6.3V
C3423	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3473	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3424	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3474	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3425	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V		C3475	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3426	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3476	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3428	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3477	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3429	1-124-779-00	ELECT CHIP	10μF	20%	16V		C3478	1-126-204-11	ELECT CHIP	47μF	20%	16V
C3430	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V		C3479	1-124-779-00	ELECT CHIP	10μF	20%	16V
C3431	1-126-204-11	ELECT CHIP	47μF	20%	16V		C3480	1-164-156-11	CERAMIC CHIP	0.1μF	2070	25V
C3432	1-164-156-11	CERAMIC CHIP	0.1µF	2070	25V		C3481	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3433	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3482	1-117-681-11	ELECT CHIP	100µF	20%	16V
C3434	1-102-370-11	ELECT CHIP	47μF	20%	16V		C3483	1-117-681-11	ELECT CHIP	100μF	20%	16V
C3435	1-164-156-11	CERAMIC CHIP	47μ1 0.1μF	2070	25V		C3484	1-117-301-11	CERAMIC CHIP	1μF	10%	6.3V
C3436	1-107-826-11	CERAMIC CHIP	0.1μF	10%	16V		C3485	1-164-156-11	CERAMIC CHIP	0.1μF	10 /0	25V
C3437	1-126-204-11	ELECT CHIP	47μF	20%	16V		C3486	1-164-156-11	CERAMIC CHIP	0.1µF		25V
00400	4 404 450 44	OFDAMIO OLUD	0.4		05)/		00407	4 404 450 44	OEDAMIO OLUD	0.4		05)/
C3438	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3487	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V
C3439	1-164-156-11	CERAMIC CHIP	0.1µF	F 0/	25V		C3488	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3440	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		C3489	1-164-156-11	CERAMIC CHIP	0.1µF	000/	25V
C3441	1-162-916-11	CERAMIC CHIP	12pF	5%	50V		C3490	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3442	1-124-779-00	ELECT CHIP	10μF	20%	16V		C3491	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3443	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		C3492	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3444	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3493	1-126-204-11	ELECT CHIP	47µF	20%	16V
C3445	1-126-204-11	ELECT CHIP	47μF	20%	16V		C3494	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C3446	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V		C3495	1-124-779-00	ELECT CHIP	10µF	20%	16V
C3447	1-164-156-11	CERAMIC CHIP	0.1µF		25V		C3496 C3499	1-164-156-11 1-162-970-11	CERAMIC CHIP CERAMIC CHIP	0.1µF 0.01µF	10%	25V 25V
C3448	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V		33 100		OE. U MINO OF III	υ.υ ιμι	10/0	
C3449	1-164-156-11	CERAMIC CHIP	0.1µF		25V			CONNECTOR				
C3450	1-164-156-11	CERAMIC CHIP	0.1µF		25V	*	CNICOCO	1 700 000 44	CONNECTOR DIVE	OLLIC)	CAD	
C3452	1-164-156-11	CERAMIC CHIP	0.1µF		25V	^	CN3203	1-793-923-11	CONNECTOR, DIN (F	LUG)	64P	
C3453	1-124-779-00	ELECT CHIP	10μF	20%	16V			DIODE				
C3454	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3089	8-719-062-51	DIODE	1PS226-	115	
C3455	1-124-779-00	ELECT CHIP	10µF	20%	16V		D3090	8-719-062-51	DIODE	1PS226-		
C3456	1-164-156-11	CERAMIC CHIP	0.1µF		25V		D3099	8-719-988-61	DIODE	1SS355T		
C3457	1-124-779-00	ELECT CHIP	10μF	20%	16V		D3301	8-719-083-58	DIODE	UDZSTE		



DIACE DIAC	REF.NO.	PART NO.	DESCRIPTION	VALUES	REF.NO.	PART NO.	DESCRIPTION	VALUES
Date Part Date Part Date	D3302	8-719-069-60	DIODE	UDZSTE-179.1B		<u>COIL</u>		
	D3401	8-719-914-43	DIODE	DAN202K	1,0004	4 040 005 04	OLIOPT OLUP	
FERRITE BEAD	D3402	8-719-914-44	DIODE	DAP202K				0.11
FERRITE BEAD	D3403	8-719-978-33	DIODE	DTZ-TT11-6.8B				•
1,3302								•
EB3302 1-500-451-11 FERRITE QJH		FERRITE BEAD						•
FB3303					L3302	1-469-555-21	INDUCTOR	10μH
FB3401				· ·				
FB3402				· ·				15
FILTER				· ·				•
Filter	FB3402	1-414-235-22	FERRITE	0μΗ				•
F13003								•
FL3301 1-234-582-2 FLTER_LOW PASS L3301 1-489-561-21 INDUCTOR 100µH		<u>FILTER</u>			L3307	1-469-555-21	INDUCTOR	10μH
FLIST 1294-5672 FLITER LOW PASS L3301 1-469-561-21 INDUCTOR 100µH	FL3003	1-781-924-21	FILTER, LOW PASS (S	SMD)	1 3308	1_460_561_21	INDLICTOR	100uH
FL3302 1-234-567-2f FLTER_LOW PASS L3310 1-469-561-2f INDUCTOR 100µH	FL3301	1-234-558-21	FILTER, LOW PASS					•
FL3303 1-294-567-21 FILTER, LOW PASS FILTR, LOW PASS FILT, LOW PASS FILTR, LO	FL3302	1-234-557-21	FILTER, LOW PASS					•
C3009 6-700-149-01 IC M24C04-MN6T(A) L3402 L3412 L3403 L469-565-21 INDUCTOR 10µH	FL3303	1-234-557-21	FILTER, LOW PASS					•
IC	FL3401	1-781-923-21	FILTER, LOW PASS (S	SMD)				•
C3309					L3312	1-409-000-21	INDUCTOR	Ιυμπ
C3089 6-700-149-01 C M24C04-MN6T(A) L3402 1-412-052-21 INDUCTOR 1 I/H		<u>IC</u>			L3401	1-412-058-11	INDUCTOR	10µH
C3309	IC3089	6-700-149-01	IC.	M24C04-MN6T(A)				•
C3301 8-759-349-11 C				` '	L3403		INDUCTOR	•
C3301 8-759-663-74 C				•				•
IC3302 8-759-832-05 IC								•
C3303 8-752-409-78 IC CXD2095AQ L3407 1-469-555-21 INDUCTOR 10µH IC3304 8-759-447-90 IC TLC5733AIPM L3407 1-469-555-21 INDUCTOR 10µH IC3305 8-759-669-75 IC TLC2932IPWR L3410 1-412-055-11 INDUCTOR 10µH IC3306 8-759-669-75 IC TLC2933IPWR-12 L3411 1-412-055-11 INDUCTOR 10µH IC3401 6-700-394-01 IC BA25BC0FP-E2 IC3402 6-703-430-01 IC BA25BC0FP-E2 IC3402 6-703-430-01 IC MT48LC2M32B2TG-6-Y94W L3413 1-469-555-21 INDUCTOR 10µH IC3402 8-759-660-75 IC FST9120NL L3414 1-469-555-21 INDUCTOR 10µH IC3404 8-759-669-75 IC TLC2932IPWR L3416 1-469-555-21 INDUCTOR 10µH IC3405 8-759-485-79 IC TC7SET08FU[TE85L) IC3406 8-759-485-79 IC TC7SET08FU[TE85L) IC3407 8-759-485-79 IC TC7SET08FU[TE85L) CXD9509AQ Q3006 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3408 8-759-672-57 IC CXD9509AQ Q3007 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3409 8-759-672-57 IC CXD2309Q Q3009 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R IC3411 8-759-082-58 IC TC7W08FU Q3001 8-729-026-49 TRANSISTOR 2SC1623-L5L6 IC3412 8-759-682-58 IC TC7W08FU Q3001 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3413 8-759-585-97 IC SN74LV4053ANSR Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3414 8-759-548-56 IC MIS2055FP Q3003 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3415 8-759-548-56 IC MIS2055FP Q3003 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3416 8-759-548-56 IC MIS2055FP Q3003 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3416 8-759-548-56 IC MIS2055FP Q3003 8-729-120-28 TRANSISTOR 2SC1623								·r
IC3303 8-752-409-78 IC	100002	0-700-002-00	10	DATODOUT -LZ	L3406	1-469-555-21	INDUCTOR	10uH
103304 8-759-447-90 C TLC5733AIPM L3409 1-469-555-21 INDUCTOR 10µH 103305 8-759-669-75 IC TLC2932IPWR L3410 1-412-058-11 INDUCTOR 10µH 103306 8-759-669-78 IC TLC2933IPWR-12 L3411 1-412-058-11 INDUCTOR 10µH 103401 6-700-394-01 IC BA25BC0FP-E2	IC3303	8_752_400_78	IC	CXD2005AO	L3407	1-469-555-21		•
IC3305								•
IC3306						1-412-058-11		•
C3401 6-700-394-01 C BA25BC0FP-E2					L3411	1-412-058-11		· ·
C3402 6-703-430-01 C								1
IC3402 6-703-430-01 IC MT48LC2M32B2TG-6-Y94W L3413 1-469-555-21 INDUCTOR 10µH IC3403 8-759-460-29 IC PST9120NL L3414 1-469-555-21 INDUCTOR 10µH IC3404 8-759-669-75 IC TLC2932IPWR L3416 1-469-555-21 INDUCTOR 10µH IC3405 8-759-485-79 IC TC7SET08FU(TE85L) IC3406 8-759-485-79 IC TC7SET08FU(TE85L) IC3407 8-759-485-79 IC TC7SET08FU(TE85L) IC3408 8-759-485-79 IC TC7SET08FU(TE85L) IC3409 8-759-833-72 IC CXD9509AQ Q3006 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3410 8-759-082-57 IC CXD2309Q Q3090 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R IC3411 8-759-082-58 IC TC7W04FU Q3091 1-801-806-11 TRANSISTOR 2SC1623-L5L6 IC3412 8-759-082-58 IC TC7W08FU Q3301 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3413 8-759-595-97 IC SN74LV4053ANSR Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3414 8-759-548-56 IC M52055FP Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3414 8-759-548-56 IC M52055FP Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3415 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3416 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3417 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3418 R-759-548-56 IC M52055FP Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3414 R-759-548-56 IC M52055FP Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3416 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3417 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3418 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3419 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3410 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3416 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3417 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3418 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3419 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3410 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3416 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3417 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC3418 R-729-120-28 TRANSISTOR 2SC1623-L5L6 IC341	100401	0 700 004 01	10	B/(20B0011 L2	L3412	1-469-555-21	INDUCTOR	10µH
C3403	IC3402	6-703-430-01	IC.	MT48I C2M32R2TG-6-Y94W				•
C3404 8-759-669-75 C TLC2932IPWR L3416 1-469-555-21 INDUCTOR 10µH						1-469-555-21		•
IC3405								•
IC3406								·r
IC3407						TRANSISTOR		
C3407 8-759-485-79 IC TC7SET08FU(TE85L) C3408 8-759-672-57 IC CXD9509AQ CXD9509AQ CXD9509AQ CXD9509AQ C3409 8-759-833-72 IC NJM2870F25-TE2 CXD2309Q CXD23				, ,	O3005	8.720.120.28	TDANGISTOD	2901623 5 6
C3408	IC3407	8-759-485-79	IC	TC7SET08FU(TE85L)				
C3409	IC3408	8-759-672-57	IC	CXD9509AQ				
C3410	IC3409	8-759-833-72	IC	NJM2870F25-TE2				
C3411	IC3410	8-752-367-59	IC	CXD2309Q				
C3412 8-759-082-58 IC TC7W08FU Q3301 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SC1623-L5L6 Q3305 RANSISTOR Q3305 RANSISTOR 2SC1623-L5L6 Q3305 RANSISTOR Q3305 RANSISTO	IC3411	8-759-082-57	IC	TC7W04FU	Ø3020	U-1 20-U2U- 4 3	MANOIOTOR	20/100//N-1140-N
C3412 8-759-082-58 IC TC7W08FU Q3301 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SC1623-L5L6 Q3305 RANSISTOR Q3305 RANSISTOR 2SC1623-L5L6 Q3305 RANSISTOR Q3305 RANSISTO					Q3091	1-801-806-11	TRANSISTOR	DTC144EKA
IC3413 8-759-595-97 IC SN74LV4053ANSR IC3414 8-759-548-56 IC M52055FP Q3302 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R								
IC3414 8-759-548-56 IC M52055FP Q3303 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R								
Q3304 8-729-120-28 TRANSISTOR 2SC1623-L5L6 Q3305 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R	IC3414	8-759-548-56	IC	M52055FP				
Q3306 8-729-026-49 TRANSISTOR 2SA1037AK-T146-R								2SA1037AK-T146-R
					Q3306	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALI	JES	
Q3307	8-729-120-28	TRANSISTOR	2SC1623	3-L5L6		R3101	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3308	8-729-026-49	TRANSISTOR	2SA1037	'AK-T146-	-R	R3102	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3309	8-729-120-28	TRANSISTOR	2SC1623	3-L5L6		R3103	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
Q3310	8-729-026-49	TRANSISTOR	2SA1037	'AK-T146-	-R	R3104	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3311	8-729-120-28	TRANSISTOR	2SC1623	3-L5L6		R3105	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3401	8-729-120-28	TRANSISTOR	2SC1623	R-I 5I 6		R3106	1-216-818-11	METAL CHIP	560	5%	1/10W
Q3402	8-729-028-28	TRANSISTOR	2SK2036			R3107	1-216-864-11	SHORT CHIP	000	070	171011
Q3403	8-729-120-28	TRANSISTOR	2SC1623			R3108	1-216-817-11	METAL CHIP	470	5%	1/10W
Q3404	8-729-028-28	TRANSISTOR	2SK2036			R3109	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
Q3405	8-729-026-49	TRANSISTOR		7AK-T146	D	R3110	1-216-809-11	METAL CHIP	100	5%	1/10W
Q0 1 00	0-729-020-49	ITANOIOTOIX	20/1007	VIV-1 140.	11	1.5110	1-210-003-11	WIL TAL OTTI	100	3 /0	1/1044
Q3406	8-729-026-49	TRANSISTOR	2SA1037	'AK-T146-	-R	R3111	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3407	8-729-120-28	TRANSISTOR	2SC1623	3-L5L6		R3301	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3408	8-729-026-49	TRANSISTOR	2SA1037	'AK-T146-	-R	R3302	1-216-817-11	METAL CHIP	470	5%	1/10W
Q3409	8-729-120-28	TRANSISTOR	2SC1623	3-L5L6		R3303	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W
Q3410	8-729-026-49	TRANSISTOR	2SA1037	'AK-T146-	-R	R3304	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3411	8-729-026-49	TRANSISTOR	2541037	'AK-T146-	.D	R3305	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3412	8-729-026-49	TRANSISTOR		'AK-T146		R3306	1-216-809-11	METAL CHIP	100	5%	1/10W
Q3413	8-729-026-49	TRANSISTOR		'AK-T146		R3307	1-216-864-11	SHORT CHIP	100	370	17 10 4 4
Q3413 Q3414	8-729-026-49	TRANSISTOR		'AK-T146 'AK-T146		R3308	1-216-864-11	SHORT CHIP			
Q3414 Q3415									56	0 500/	1/10\\\
Q3413	8-729-026-49	TRANSISTOR	25A1037	'AK-T146-	·ĸ	R3309	1-218-662-11	METAL CHIP	90	0.50%	1/10W
	RESISTOR					R3310	1-218-662-11	METAL CHIP	56		1/10W
R3001	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3311	1-218-662-11	METAL CHIP	56		1/10W
R3002	1-216-864-11	SHORT CHIP	IUIX	J /0	1/1000	R3312	1-218-662-11	METAL CHIP	56		1/10W
R3021	1-216-809-11	METAL CHIP	100	5%	1/10W	R3313	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3022	1-216-809-11	METAL CHIP	100	5%	1/10W	R3314	1-218-665-11	METAL CHIP	75	0.50%	1/10W
R3023	1-216-833-11	METAL CHIP	10K	5%	1/10W						
113023	1-210-030-11	IVIL IAL OI III	IUIX	J /0	1/1000	R3315	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3035	1-216-809-11	METAL CHIP	100	5%	1/10W	R3316	1-218-664-11	METAL CHIP	68		1/10W
R3036	1-216-809-11	METAL CHIP	100	5%	1/10W	R3317	1-218-664-11	METAL CHIP	68		1/10W
R3037	1-216-809-11	METAL CHIP	100	5%	1/10W	R3318	1-218-665-11	METAL CHIP	75	0.50%	1/10W
	1-218-686-11					R3319	1-218-662-11	METAL CHIP	56	0.50%	1/10W
R3038		METAL CHIP	560		1/10W						
R3039	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3320	1-218-662-11	METAL CHIP	56	0.50%	1/10W
D2040	4 040 000 44	METAL CLUD	FC0	0.500/	4/40\4/	R3321	1-218-662-11	METAL CHIP	56	0.50%	1/10W
R3040	1-218-686-11	METAL CHIP	560		1/10W	R3322	1-218-662-11	METAL CHIP	56	0.50%	1/10W
R3050	1-216-809-11	METAL CHIP	100	5%	1/10W	R3323	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3079	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3324	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3089	1-216-864-11	SHORT CHIP	0.017	5 0/	4/40/4/						
R3091	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3325	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R3092	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3326	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3095	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3327	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3096	1-216-817-11	METAL CHIP	470	5%	1/10W	R3328	1-216-864-11	SHORT CHIP			
R3097	1-216-845-11	METAL CHIP	100K	5%	1/10W	R3329	1-216-815-11	METAL CHIP	330	5%	1/10W
R3098	1-216-805-11	METAL CHIP	47	5%	1/10W						
1/9090	1-210-000-11	INIT IVE OLIII.	71	J /0	17 1044	R3330	1-216-815-11	METAL CHIP	330	5%	1/10W
R3099	1-216-805-11	METAL CHIP	47	5%	1/10W	R3331	1-216-841-11	METAL CHIP	47K	5%	1/10W
R3100			100	5% 5%	1/10W	R3332	1-218-709-11	METAL CHIP	5.1K	0.50%	1/10W
L/9 100	1-216-809-11	METAL CHIP	100	J /0	1/ 1000	R3333	1-216-864-11	SHORT CHIP			



REF.NO.	PART NO.	DESCRIPTION	VALU	ES		REF.NO.	PART NO.	DESCRIPTION	VALU	JES	
R3334	1-216-809-11	METAL CHIP	100	5%	1/10W	R3383	1-216-817-11	METAL CHIP	470	5%	1/10W
R3335	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3384	1-216-809-11	METAL CHIP	100	5%	1/10W
R3337	1-216-820-11	METAL CHIP	820	5%	1/10W	R3410	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3338	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3421	1-216-864-11	SHORT CHIP			
R3339	1-216-855-11	METAL CHIP	680K	5%	1/10W	R3422	1-216-864-11	SHORT CHIP			
R3340	1-216-855-11	METAL CHIP	680K	5%	1/10W	R3423	1-216-813-11	METAL CHIP	220	5%	1/10W
R3341	1-216-813-11	METAL CHIP	220	5%	1/10W	R3428	1-216-803-11	METAL CHIP	33	5%	1/10W
R3342	1-218-705-11	METAL CHIP	3.6K		1/10W	R3429	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R3343	1-216-809-11	METAL CHIP	100	5%	1/10W	R3432	1-216-815-11	METAL CHIP	330	5%	1/10W
R3344	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3434	1-216-809-11	METAL CHIP	100	5%	1/10W
R3345	1-218-704-11	METAL CHIP	3.3K	0.50%	1/10W	R3445	1-216-864-11	SHORT CHIP			
R3346	1-216-809-11	METAL CHIP	100	5%	1/10W	R3446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3347	1-216-815-11	METAL CHIP	330	5%	1/10W	R3447	1-216-819-11	METAL CHIP	680	5%	1/10W
R3348	1-216-864-11	SHORT CHIP	000	070		R3448	1-216-855-11	METAL CHIP	680K	5%	1/10W
R3349	1-218-687-11	METAL CHIP	620	0.50%	1/10W	R3452	1-216-864-11	SHORT CHIP	00011	070	171011
R3350	1-216-814-11	METAL CHIP	270	5%	1/10W	R3454	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3351	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3460	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3352	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3461	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3353	1-216-837-11	METAL CHIP	22K	5%	1/10W	R3464	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3354	1-216-813-11	METAL CHIP	220	5%	1/10W	R3465	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3355	1-216-821-11	METAL CHIP	1K	5%	1/10W	R3467	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3356	1-216-819-11	METAL CHIP	680	5%	1/10W	R3470	1-216-809-11	METAL CHIP	100	5%	1/10W
R3357	1-218-676-11	METAL CHIP	220		1/10W	R3471	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3358	1-218-676-11	METAL CHIP	220		1/10W	R3472	1-216-801-11	METAL CHIP	22	5%	1/10W
R3359	1-218-676-11	METAL CHIP	220		1/10W	R3475	1-216-809-11	METAL CHIP	100	5%	1/10W
110000	1 210 070 11	ME IAE OITII	220	0.0070	171011	10470	1 210 000 11	WE ITE OTH	100	3 /0	1/1011
R3360	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3361	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3477	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W
R3364	1-216-864-11	SHORT CHIP				R3478	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3365	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R3483	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W
R3366	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R3484	1-216-821-11	METAL CHIP	1K	5%	1/10W
D2267	1 216 002 11	METAL CUID	22	E0/	1/10\\\	D240E	1 016 001 11	METAL CUID	11/	E0/	1/10\\\
R3367 R3369	1-216-803-11 1-216-864-11	METAL CHIP SHORT CHIP	33	5%	1/10W	R3485 R3486	1-216-821-11 1-216-801-11	METAL CHIP METAL CHIP	1K 22	5% 5%	1/10W 1/10W
R3371	1-218-686-11		560	0.500/	1/10W	R3489	1-216-864-11	SHORT CHIP	22	370	1/1000
R3372	1-216-817-11	METAL CHIP METAL CHIP	470	5%	1/10W	R3499	1-216-864-11	SHORT CHIP			
								METAL CHIP	11/	E0/	1/10\\\
R3373	1-216-817-11	METAL CHIP	470	5%	1/10W	R3491	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3374	1-216-809-11	METAL CHIP	100	5%	1/10W	R3492	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3375	1-218-686-11	METAL CHIP	560	0.50%	1/10W	R3493	1-218-701-11	METAL CHIP	2.4K	0.50%	1/10W
R3376	1-218-710-11	METAL CHIP	5.6K	0.50%	1/10W	R3495	1-216-821-11	METAL CHIP	1K	5%	1/10W
R3377	1-216-817-11	METAL CHIP	470	5%	1/10W	R3496	1-216-801-11	METAL CHIP	22	5%	1/10W
R3378	1-216-817-11	METAL CHIP	470	5%	1/10W	R3497	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R3379	1-216-809-11	METAL CHIP	100	5%	1/10W	R3498	1-216-818-11	METAL CHIP	560	5%	1/10W
R3380	1-218-686-11	METAL CHIP	560		1/10W	R3499	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
R3381	1-218-710-11	METAL CHIP	5.6K		1/10W	R3501	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
R3382	1-216-710-11	SHORT CHIP	J.UN	0.00/0	1/ 1000	R3502	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
110002	1-2 10-00 4 -11	OHORY OHIF				13002	1-210-021-11	WIL TAL OF HE	ш	J /0	1/10//



R3504 1- R3505 1- R3506 1- R3507 1- R3508 1-	-216-821-11 -216-821-11 -216-821-11 -216-821-11	METAL CHIP METAL CHIP	1K	5%	1/10W	R3839	4 040 070 44	METAL OLUB	400		
R3504 1- R3505 1- R3506 1- R3507 1- R3508 1-	-216-821-11 -216-821-11	METAL CHIP			1/1000	K3039	1-218-670-11	METAL CHIP	120	0.50%	1/10W
R3505 1- R3506 1- R3507 1- R3508 1-	-216-821-11		1K	5%	1/10W	R3840	1-216-803-11	METAL CHIP		5%	1/10W
R3506 1- R3507 1- R3508 1-		METAL CHIP	1K	5%	1/10W	R3841	1-218-670-11	METAL CHIP			1/10W
R3507 1- R3508 1-	210 021 11	METAL CHIP	1K	5%	1/10W	R3842	1-218-689-11	METAL CHIP			1/10W
R3508 1-	-216-821-11	METAL CHIP	1K	5%	1/10W	R3846	1-216-801-11	METAL CHIP		5%	1/10W
	210 021 11	WEINE OTH	111	070	171011	10010	1210 001 11	ME IAE OI III		0 70	171011
D0500 4	-216-821-11	METAL CHIP	1K	5%	1/10W	R3847	1-216-801-11	METAL CHIP	22	5%	1/10W
R3509 1-	-216-821-11	METAL CHIP	1K	5%	1/10W	R3848	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3510 1-	-216-821-11	METAL CHIP	1K	5%	1/10W	R3849	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R3511 1-	-216-821-11	METAL CHIP	1K	5%	1/10W	R3850	1-218-675-11	METAL CHIP	200	0.50%	1/10W
R3512 1-	-216-821-11	METAL CHIP	1K	5%	1/10W	R3851	1-216-809-11	METAL CHIP	100	5%	1/10W
D0000 4	010 001 11	OLIOPE OLUP				D0050	4 040 075 44	METAL OUID	000	0.500/	4/4014
	-216-864-11	SHORT CHIP		/		R3852	1-218-675-11	METAL CHIP			1/10W
	-218-678-11	METAL CHIP	270	0.50%		R3854	1-216-825-11	METAL CHIP		5%	1/10W
	-218-678-11	METAL CHIP	270	0.50%		R3857	1-216-809-11	METAL CHIP		5%	1/10W
	-218-678-11	METAL CHIP	270	0.50%		R3858	1-218-704-11	METAL CHIP			1/10W
R3805 1-	-218-678-11	METAL CHIP	270	0.50%	1/10W	R3862	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3807 1-	-218-670-11	METAL CHIP	120	0.50%	1/10W	R3863	1-218-700-11	METAL CHIP	2.2K	0.50%	1/10W
	-218-670-11	METAL CHIP	120	0.50%		R3864	1-216-827-11	METAL CHIP		5%	1/10W
	-218-670-11	METAL CHIP	120	0.50%		R3865	1-216-809-11	METAL CHIP		5%	1/10W
	-218-670-11	METAL CHIP	120	0.50%		R3866	1-414-234-22	FERRITE	0μH	070	
	-216-809-11	METAL CHIP	100	5%	1/10W	R3867	1-414-234-22	FERRITE	0μH		
110011	210 000 11	WEINE OTH	100	070	171011	110001	1 111 201 22	LIMITE	ομι ι		
R3812 1-	-216-809-11	METAL CHIP	100	5%	1/10W	R3868	1-414-234-22	FERRITE	0μΗ		
R3813 1-	-216-809-11	METAL CHIP	100	5%	1/10W	R3869	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
R3814 1-	-218-644-11	METAL CHIP	10	0.50%	1/10W	R3870	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
R3815 1-	-218-648-11	METAL CHIP	15	0.50%	1/10W	R3871	1-218-719-11	METAL CHIP	13K	0.50%	1/10W
R3816 1-	-218-652-11	METAL CHIP	22	0.50%	1/10W	R3881	1-216-807-11	METAL CHIP	68	5%	1/10W
D0047 4	040.050.44	METAL CLUB	00	0.500/	4/40\4/	D0000	4 040 007 44	METAL OLUD	00	5 0/	4/40\\
	-218-652-11	METAL CHIP	22	0.50%		R3882	1-216-807-11	METAL CHIP		5%	1/10W
	-218-684-11	METAL CHIP	470	0.50%		R3883	1-216-807-11	METAL CHIP		5%	1/10W
	-218-684-11	METAL CHIP	470	0.50%		R3915	1-218-644-11	METAL CHIP			1/10W
	-218-684-11	METAL CHIP	470	0.50%		R3916	1-218-644-11	METAL CHIP			1/10W
R3823 1-	-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3917	1-218-644-11	METAL CHIP	10	0.50%	1/10W
R3824 1-	-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3933	1-216-864-11	SHORT CHIP			
	-216-826-11	METAL CHIP	2.7K	5%	1/10W	R3937	1-216-809-11	METAL CHIP	100	5%	1/10W
	-216-809-11	METAL CHIP	100	5%	1/10W	R3953	1-216-821-11	METAL CHIP		5%	1/10W
	-218-684-11	METAL CHIP	470	0.50%		R3954	1-216-821-11	METAL CHIP		5%	1/10W
	-218-684-11	METAL CHIP	470	0.50%		R3955	1-216-821-11	METAL CHIP		5%	1/10W
	-218-684-11	METAL CHIP	470	0.50%	1/10W	R3956	1-216-825-11	METAL CHIP		5%	1/10W
	-216-864-11	SHORT CHIP				R3957	1-216-825-11	METAL CHIP		5%	1/10W
R3832 1-	-216-864-11	SHORT CHIP				R3958	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3833 1-	-216-864-11	SHORT CHIP									
R3834 1-	-218-678-11	METAL CHIP	270	0.50%	1/10W		RESISTOR BRID	<u>DGE</u>			
D2025 4	210 670 44	METAL CLUD	270	0 E00/	1/10\\\	RB3304	1-233-576-11	RES, CHIP NETWORK		100	
	-218-678-11	METAL CHIP	270		1/10W	RB3305	1-233-576-11	RES, CHIP NETWORK		100	
	-218-678-11	METAL CHIP	270	0.50%		RB3306	1-233-576-11	RES, CHIP NETWORK		100	
	-218-678-11	METAL CHIP	270	0.50%		RB3307	1-233-576-11	RES, CHIP NETWORK		100	
R3838 1-	-218-678-11	METAL CHIP	270	0.50%	1/ 1000	RB3401	1-234-524-21	RES, CHIP NETWORK		33	

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO.	PART NO.	DESCRIPTION	VALUE	S			REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
RB3402	1-234-524-21	RES, CHIP NETWORK		33			C8009	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB3403	1-234-524-21	RES, CHIP NETWORK		33			C8010	1-136-177-00	FILM	1μF	5%	50V
RB3404	1-234-524-21	RES, CHIP NETWORK		33			C8011	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
RB3405	1-234-524-21	RES, CHIP NETWORK		33			C8012	1-162-970-11	CERAMIC CHIP	0.01µF	10%	25V
RB3406	1-234-524-21	RES, CHIP NETWORK		33			C8013	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
							000.0		52 . a 5 5		0,0	
RB3407	1-239-409-11	NETWORK RESISTOR	(CHIP)	47			C8014	1-104-665-11	ELECT	100µF	20%	25V
RB3408	1-239-409-11	NETWORK RESISTOR	(CHIP)	47			C8015	1-126-969-11	ELECT	220µF	20%	50V
RB3409	1-239-409-11	NETWORK RESISTOR	(CHIP)	47			C8016	1-104-665-11	ELECT	100µF	20%	25V
RB3410	1-239-409-11	NETWORK RESISTOR	(CHIP)	47			C8017	1-162-964-11	CERAMIC CHIP	0.001µF	10%	50V
RB3411	1-239-409-11	NETWORK RESISTOR	(CHIP)	47			C8018	1-126-964-11	ELECT	10µF	20%	50V
RB3412	1-239-409-11	NETWORK RESISTOR	. ,	47			C8019	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
RB3421	1-233-576-11	RES, CHIP NETWORK		100			C8020	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
RB3422	1-233-576-11	RES, CHIP NETWORK		100			C8023	1-106-220-00	MYLAR	0.1µF	10%	100V
RB3423	1-233-576-11	RES, CHIP NETWORK		100			C8024	1-137-372-11	MYLAR	0.022µF	5%	50V
RB3424	1-233-576-11	RES, CHIP NETWORK		100			C8025	1-126-968-11	ELECT	100µF	20%	50V
RB3425	1-233-576-11	RES, CHIP NETWORK		100			C8026	1-126-968-11	ELECT	100µF	20%	50V
RB3426	1-233-576-11	RES, CHIP NETWORK		100			C8028	1-126-968-11	ELECT	100μF	20%	50V 50V
	1-233-576-11	•					C8029		ELECT	-		50V 50V
RB3427		RES, CHIP NETWORK		100				1-126-968-11	ELECT	100µF	20%	
RB3428	1-233-576-11	RES, CHIP NETWORK		100			C8031	1-107-636-11	ELECT	10μF	20% 20%	160V 50V
	CRYSTAL						C8032	1-126-968-11	ELECT	100µF	20%	307
X3089	1-781-945-21	VIBRATOR, CERAMIC					C8033	1-126-968-11	ELECT	100µF	20%	50V
X3401	1-781-887-21	VIBRATOR, CRYSTAL					C8034	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
							C8035	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
							C8036	1-126-968-11	ELECT	100µF	20%	50V
·							C8037	1-126-968-11	ELECT	100µF	20%	50V
*	A-1302-708-A	D BOARD, COMPLETE										
		,001 TO 8,099,999 ONLY)					C8040	1-115-349-51	CERAMIC	0.01µF		2KV
•	•	,001 TO 9,099,999 ONLY)					C8041	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
\triangle	A-1302-180-A	D BOARD, COMPLETE					C8042	1-162-927-11	CERAMIC CHIP	100pF	5%	50V
		,001 AND UP ONLY)					C8045	1-126-965-91	ELECT	22µF	20%	50V
		,001 AND UP ONLY)	11.7.3				C8046	1-126-965-91	ELECT	22µF	20%	50V
*	4-382-854-11	SCREW (M3X10), P, SV	. ,									
	7-651-000-50	GREASE, SILICON (G-7	40) 200G				C8047	1-162-974-11	CERAMIC CHIP	0.01µF		50V
	7-682-952-09	SCREW +PSW 3X16	DT 4b - 1	السمما ٦			C8048	1-126-965-91	ELECT	22µF	20%	50V
		leads associated with the F					C8049	1-162-974-11	CERAMIC CHIP	0.01µF		50V
		must be ordered separately	. Order the	IOIIOWIN	g		C8050	1-126-965-91	ELECT	22µF	20%	50V
\wedge		esting this D board: LEAD ASSY, HIGH-VOL	TACE				C8051	1-162-318-11	CERAMIC	0.001µF	10%	500V
<u>^</u>	1-779-095-51	•										
<u> </u>	1-900-260-40	CONNECTOR ASSY, M	V				C8052	1-126-965-91	ELECT	22µF	20%	50V
	<u>CAPACITOR</u>						C8053	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C8001	1-137-372-11	MYLAR	0.022µF	5%	50V		C8054	1-162-974-11	CERAMIC CHIP	0.01µF		50V
C8002	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C8055	1-164-156-11	CERAMIC CHIP	0.1µF		25V
C8003	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C8056	1-107-652-11	ELECT	10µF	20%	250V
C8004	1-104-666-11	ELECT	220µF	20%	25V							
C8005	1-126-942-61	ELECT	1000µF	20%	25V		C8057	1-126-959-11	ELECT	0.47µF	20%	50V
			- 1				C8058	1-164-230-11	CERAMIC CHIP	220pF	5%	50V
C8006	1-126-942-61	ELECT	1000µF	20%	25V		C8059	1-127-715-91	CERAMIC CHIP	0.22µF	10%	16V
C8007	1-162-927-11	CERAMIC CHIP	100pF	5%	50V		C8060	1-104-665-11	ELECT	100µF	20%	25V
C8008	1-162-927-11	CERAMIC CHIP	100pF	5%	50\/							
			'			<u> </u>	_					

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C8061	16V 250V 50V 50V 50V 50V
C8063 1-107-826-11 CERAMIC CHIIP 0.1μF 10% 16V C8108 1-126-964-11 ELECT 10μF 20% C8065 1-107-826-11 ELECT 10μF 20% 160V C8109 1-126-964-11 ELECT 10μF 20% C8065 1-106-383-00 MYLAR 0.047μF 10% 20V C8110 1-126-960-11 ELECT 1μF 20% C8066 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8111 1-126-960-11 ELECT 1μF 20% C8067 1-104-865-11 ELECT 10μF 50% C8113 1-136-960-00 MYLAR 0.1μF 5% C8069 1-162-378-11 CERAMIC CHIP 0.01μF 10% 25V C8115 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8071 1-126-964-11 ELECT 10μF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8071 1-126-964-11 <t< td=""><td>50V 50V 50V 50V</td></t<>	50V 50V 50V 50V
C8064 1-107-636-11 ELECT 10µF 20% 160V C8109 1-162-924-11 CERAMIC CHIP 56pF 5% C8065 1-106-383-00 MYLAR 0.047µF 10% 25V C8110 1-126-960-11 ELECT 1µF 20% C8066 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8111 1-126-960-11 ELECT 1µF 20% C8068 1-162-970-11 CERAMIC CHIP 0.01µF 10% 500V C8113 1-126-960-11 ELECT 1µF 20% C8070 1-126-984-11 ELECT 10µF 20% 50V C8115 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8071 1-126-984-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8072 1-126-984-11 ELECT 10µF 20% 50V C8117 1-162-318-11 CERAMIC CHIP 0.1µF 10% C8072 1-	50V 50V 50V 50V
C8065 1-106-383-00 MYLAR 0.047µF 10% 200V C8110 1-126-960-11 ELECT 1µF 20% C8067 1-104-665-11 ELECT 100µF 20% 25V C8113 1-130-495-00 MYLAR 0.1µF 5% C8068 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8114 1-125-473-11 ELECT(BLOCK) 1000µF 20% C8070 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% 25V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8070 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8071 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8073 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8073 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8073 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8121 1-158-39-51 CERAMIC CHIP 0.01µF 10% 25V C8121 1-158-39-51 CERAMIC CHIP 0.01µF 10% 25V C8122 1-126-934-11 ELECT 20µF 20% C8070 1-162-370-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC 0.001µF 10% 25V C8120 1-107-826-11 CERAMIC 0.001µF 10% 25V C8120 1-107-826-11 CERAMIC 0.001µF 10% 25V C8120 1-107-826-11 ELECT 20µF 20% C8080 1-126-964-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 20µP 20% C8080 1-126-964-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 10µF 20% 50V C8120 1-107-826-11 ELECT 10µF 20% C8080 1-126-964-11 ELECT 10µF 5% 50V C8120 1-137-150-11 FILM 0.01µF 5% C8080 1-126-964-11 ELECT 10µF 5% 50V C8130 1-130-495-00 MYLAR 0.0039µF 99% C8080 1-126-964-11 ELECT 10µF 5% 50V C8130 1-130-495-00 MYLAR 0.0039µF 99% C8080 1-126-960-11 ELECT 10µF 5% 50V C8130 1-130-495-00 MYLAR 0.002µF 5% 50V C8130 1-130-49	50V 50V 50V
C8066 1-162-970-11 CERAMIC CHIP 0.01 μF 10% 25V C8111 1-126-960-11 ELECT 1μF 20% C8067 1-104-665-11 ELECT 100μF 20% 25V C8113 1-130-495-00 MYLAR 0.1μF 20% C8068 1-162-318-11 CERAMIC CHIP 0.01μF 10% 55V C8115 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8070 1-126-964-11 ELECT 10μF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8071 1-126-964-11 ELECT 10μF 20% 50V C8117 1-162-318-11 CERAMIC CHIP 0.1μF 10% C8072 1-126-964-11 ELECT 10μF 20% 50V C8117 1-162-318-11 CERAMIC CHIP 0.1μF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1μF 10% 25V C8120 1-107-828-11 CERAMIC CHIP 0.1μF 10% 25V C81	50V 50V
C8067 1-104-665-11 ELECT 100µF 20% 25V C8113 1-130-495-00 MYLAR 0.1µF 5% C8068 1-162-318-11 CERAMIC 0.001µF 10% 500V C8114 1-126-473-11 ELECT(BLOCK) 100µF 20% C8070 1-126-964-11 ELECT 10µF 20% 50V C8115 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8071 1-126-964-11 ELECT 10µF 20% 50V C8117 1-162-318-11 CERAMIC CHIP 0.1µF 10% C8072 1-126-964-11 ELECT 10µF 20% 50V C8118 1-162-318-11 CERAMIC 0.1µF 10% C8073 1-162-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8074 1-104-665-11 ELECT 10µF 20% 25V C8120 1-115-349-51 CERAMIC CHIP 0.01µF 10% 25V C8122 1-126-	50V
C8067 1-104-665-11 ELECT 100µF 20% 25V C8113 1-130-495-00 MYLAR 0.1µF 5% C8068 1-162-318-11 CERAMIC CHIP 0.01µF 10% 500V C8114 1-126-473-11 ELECT(BLOCK) 100µF 20% C8070 1-126-964-11 ELECT 10µF 20% 50V C8115 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8071 1-126-964-11 ELECT 10µF 20% 50V C8117 1-162-318-11 CERAMIC CHIP 0.1µF 10% C8072 1-126-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8073 1-162-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8074 1-104-665-11 ELECT 10µF 20% 25V C8120 1-115-349-51 CERAMIC CHIP 0.01µF 10% 25V C8121 1-11	50V
C8068 1-162-318-11 CERAMIC 0.001μF 10% 500V C8114 1-125-473-11 ELECT(BLOCK) 1000μF 20% C8069 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8115 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8070 1-126-964-11 ELECT 10μF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8071 1-126-964-11 ELECT 10μF 20% 50V C8117 1-162-318-11 CERAMIC CHIP 0.1μF 10% C8072 1-126-964-11 ELECT 10μF 20% 50V C8118 1-162-318-11 CERAMIC CHIP 0.1μF 10% C8073 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1μF 10% 25V C8121 1-115-49-94-11 ELECT 0.1μF 10% 25V C8122 1-126-934-11 ELECT 20μF 20% C8122	
C8069 1-162-970-11 CERAMIC CHIP C8070 0.01μF 10% 25V C8115 1-107-826-11 CERAMIC CHIP CRAMIC CHIP O.1μF 10% 25V C8116 1-107-826-11 CERAMIC CHIP O.1μF 10% 10% C8116 1-107-826-11 CERAMIC CHIP O.1μF 10% 10% C8116 1-107-826-11 CERAMIC CHIP O.1μF 10% C8072 1-126-964-11 ELECT 10μF 20% 50V C8117 1-162-318-11 CERAMIC CHIP O.1μF 10% C8073 1-162-970-11 CERAMIC CHIP O.1μF 10% 25V C8120 1-107-826-11 CERAMIC CHIP O.1μF 10% C8074 1-104-665-11 ELECT 100μF 20% 25V C8120 1-107-826-11 CERAMIC CHIP O.1μF 10% C8074 1-104-665-11 CERAMIC CHIP O.1μF 10% 25V C8120 1-107-826-11 CERAMIC CHIP O.1μF 10% 25V C8121 1-107-826-11 CERAMIC CHIP O.1μF 10% 25V C8122 1-107-826-11 CERAMIC CHIP O.1μF 10% 25V C8123 1-107-826-11 CERAMIC CHIP O.1μF	160V
C8070 1-126-964-11 ELECT 10µF 20% 50V C8116 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8072 1-126-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8073 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8074 1-104-665-11 ELECT 10µF 20% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.01µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% C8078 1-115-416-11 CERAMIC CHIP 0.01µF 20% 50V C8124 1-117-642-11 FILM 8200pF 3% C8079 1-126-964-11 ELECT 10µF 20% 50V C8125 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8079 1-126-964-11 ELECT 10µF 20% 50V C8126 1-106-357-00 MYLAR 0.0039µF 99% C8080 1-126-964-11 ELECT 10µF 20% 50V C8127 1-126-942-61 ELECT 100µF 20% C8082 1-165-176-11 CERAMIC CHIP 0.047µF 10% 16V C8131 1-128-582-11 ELECT 10µF 20% C8083 1-130-495-00 MYLAR 1.1µF 5% 50V C8132 1-128-927-11 ELECT 220µF 20% C8084 1-130-992-11 FILM 0.022µF 5% 50V C8133 1-107-649-11 ELECT 22µF 20% C8086 1-162-924-11 CERAMIC CHIP 0.01µF 10% 25V C8136 1-130-495-00 MYLAR 1.1µF 5% 50V C8133 1-107-649-11 ELECT 220µF 20% C8086 1-162-924-11 CERAMIC CHIP 0.01µF 10% 25V C8136 1-130-495-00 MYLAR 1.1µF 5% 50V C8133 1-107-649-11 ELECT 220µF 20% C8086 1-162-924-11 CERAMIC CHIP 0.01µF 10% 25V C8136 1-130-495-00 MYLAR 0.1µF 5% 50V C8136 1-162-964-11 ELECT 10µF 20% 50V C8137 1-126-964-11 ELECT 220µF 20% C8088 1-126-964-11 ELECT 10µF 20% 50V C8137 1-126-964-11 ELECT 220µF 20% C8088 1-126-964-11 ELECT 10µF 20% 50V C8139 1-126-964-11 ELECT 10µF	16V
C8072 1-126-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8073 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8074 1-104-665-11 ELECT 100µF 20% 25V C8121 1-115-349-51 CERAMIC 0.01µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8122 1-126-934-11 ELECT 22µF 20% 63V C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8123 1-107-444-11 CERAMIC 100pF 5% C8078 1-115-416-11 CERAMIC CHIP 0.01µF 5% 25V C8125 1-107-826-11 ELECT 10µF 20% 50V C8125 1-107-826-11 CERAMIC CHIP 0.1µF 10% 25V C8125 1-107-826-11 ELECT 10µF 20% 25V	16V
C8072 1-126-964-11 ELECT 10µF 20% 50V C8118 1-136-189-00 MYLAR 0.1µF 10% C8073 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1µF 10% C8074 1-104-665-11 ELECT 100µF 20% 25V C8121 1-115-349-51 CERAMIC 0.01µF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8122 1-126-934-11 ELECT 22µF 20% 63V C8077 1-162-970-11 CERAMIC CHIP 0.01µF 10% 25V C8123 1-107-444-11 CERAMIC 100pF 5% C8078 1-115-416-11 CERAMIC CHIP 0.01µF 5% 25V C8125 1-107-826-11 ELECT 10µF 20% 50V C8125 1-107-826-11 CERAMIC CHIP 0.1µF 10% 25V C8125 1-107-826-11 ELECT 10µF 20% 25V	500V
C8073 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8120 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8074 1-104-665-11 ELECT 100μF 20% 25V C8121 1-115-349-51 CERAMIC 0.01μF 10% C8075 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8122 1-126-934-11 ELECT 22μF 20% C8077 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8123 1-107-444-11 CERAMIC CHIP 0.01μF 10% 25V C8124 1-117-642-11 FILM 8200pF 3% C8073 1-154-16-11 CERAMIC CHIP 0.001μF 5% 25V C8124 1-117-642-11 FILM 8200pF 3% C8079 1-126-964-11 ELECT 10μF 20% 50V C8125 1-106-357-00 MYLAR 0.0μF 10% C8080 1-126-964-11 ELECT 10μF 25V C8129 1-137-150-11<	250V
C8074 1-104-665-11 ELECT 100μF 20% 25V C8121 1-115-349-51 CERAMIC 0.01μF 20% 25V C8122 1-126-934-11 ELECT 220μF 20% 63V C8122 1-126-934-11 ELECT 220μF 20% 63V C8122 1-126-934-11 ELECT 220μF 20% 63V C8123 1-107-444-11 CERAMIC 100pF 5% 25V C8123 1-107-444-11 CERAMIC 100pF 5% 26V C8123 1-107-444-11 CERAMIC CHIP 0.01μF 10% 25V C8124 1-117-642-11 FILM 8200pF 3% C8079 1-126-964-11 ELECT 10μF 20% 50V C8126 1-106-357-00 MYLAR 0.003pF 99% C8080 1-126-964-11 ELECT 10μF 20% 50V C8127 1-126-942-61 ELECT 100μF 20% C8127 1-126-942-61 ELECT 100μF 20% C8127 1-126-942-61 ELECT 100μF 20% <td< td=""><td>16V</td></td<>	16V
C8075 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8122 1-126-934-11 ELECT 22μF 20% C8076 1-128-551-11 ELECT 22μF 20% 63V C8123 1-107-444-11 CERAMIC 100pF 5% C8077 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8124 1-117-444-11 ELECT 10pF 5% C8078 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8125 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8079 1-126-964-11 ELECT 10μF 20% 50V C8126 1-106-357-00 MYLAR 0.0039μF 99% C8080 1-126-964-11 ELECT 10μF 20% 50V C8129 1-137-150-11 FILM 0.1μF 5% C8081 1-115-416-11 CERAMIC CHIP 0.047μF 10% 16V C8129 1-137-150-11 FILM 0.1μF 5% C8082 1-16	2KV
C8077 1-162-970-11 CERAMIC CHIP CHIP CROWN 0.01μF 10% 25V Image: Control	16V
C8077 1-162-970-11 CERAMIC CHIP CHIP CROWN 0.01μF 10% 25V Image: Control	2KV
C8078 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8125 1-107-826-11 CERAMIC CHIP 0.1μF 10% C8079 1-126-964-11 ELECT 10μF 20% 50V C8126 1-106-357-00 MYLAR 0.0039μF 99% C8080 1-126-964-11 ELECT 10μF 20% 50V C8127 1-126-942-61 ELECT 1000μF 20% C8081 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8129 1-137-150-11 FILM .01μF 5% C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20% C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 220μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-970	1.2KV
C8079 1-126-964-11 ELECT 10μF 20% 50V C8126 1-106-357-00 MYLAR 0.0039μF 99% C8080 1-126-964-11 ELECT 10μF 20% 50V C8127 1-126-942-61 ELECT 1000μF 20% C8081 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8129 1-137-150-11 FILM .01μF 5% C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20% C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 10μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-970-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.1μF 5% C8086 1-162-960-11	16V
C8080 1-126-964-11 ELECT 10μF 20% 50V C8127 1-126-942-61 ELECT 1000μF 20% C8081 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8129 1-137-150-11 FILM .01μF 5% C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20% C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 2200μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-927-11 ELECT 2200μF 20% C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 CERAMIC CHIP 0.001μF 10% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	200V
C8081 1-115-416-11 CERAMIC CHIP 0.001μF 5% 25V C8129 1-137-150-11 FILM .01μF 5% C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20% C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 2200μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8137 1-126-964-11 ELECT 2200μF 20% C8088 1-104-332-11 CERAMIC HIP 0.001μF 10% 25V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% C8089 1-104-332-11 CERAMIC HIP 20% 50V C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8139 1-126-964-11 ELECT 10μF 20% C8130 1-102-030-00 CERAMIC CHIP 0.001μF 10% C8139 1-126-964-11 ELECT 10μF 20% C8130 1-102-030-00 CERAMIC 330pF 10%	25V
C8082 1-165-176-11 CERAMIC CHIP 0.047μF 10% 16V C8131 1-128-582-11 ELECT 10μF 20% C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 2200μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8136 1-130-495-00 MYLAR 0.1μF 5% C8088 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-964-11 CERAMIC CHIP 0.001μF 10% C8090 1-104-332-11 <td>201</td>	201
C8083 1-130-495-00 MYLAR .1μF 5% 50V C8132 1-126-927-11 ELECT 2200μF 20% C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8136 1-130-495-00 MYLAR 0.1μF 5% C8088 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-967-11 ELECT 2200μF 20% C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 3	100V
C8084 1-130-992-11 FILM 0.022μF 5% 50V C8133 1-107-649-11 ELECT 2.2μF 20% C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8136 1-130-495-00 MYLAR 0.1μF 5% C8088 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	100V
C8085 1-162-924-11 CERAMIC CHIP 56pF 5% 50V C8135 1-117-813-11 FILM 0.75μF 5% C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	10V
C8086 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8136 1-130-495-00 MYLAR 0.1μF 5% C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% C8089 1-104-332-11 CERAMIC 470μF 10% 2ΚV C8139 1-126-964-11 ELECT 10μF 20%	250V
C8087 1-126-960-11 ELECT 1μF 20% 50V C8137 1-126-927-11 ELECT 2200μF 20% C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% Δ C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	250V
C8088 1-126-964-11 ELECT 10μF 20% 50V C8138 1-162-964-11 CERAMIC CHIP 0.001μF 10% Δ C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	50V
⚠ C8089 1-104-332-11 CERAMIC 470pF 10% 2KV C8139 1-126-964-11 ELECT 10μF 20% C8090 1-126-960-11 ELECT 1μF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	10V
C8090 1-126-960-11 ELECT 1µF 20% 50V C8140 1-102-030-00 CERAMIC 330pF 10%	50V
	50V
C8001 1-10/-665-11 FLECT 100:-E 20% 25\/ C81/4 1 4:0 027 44 CEDAMIC CHID 100-E 50/	500V
00001 1-104-000-11 LLLO1 100µF 20/0 20V 00141 1-102-32/1-11 GERAIVIIG GHF 100PF 3%	50V
C8092 1-117-640-11 FILM 6800pF 3% 1.2KV C8142 1-117-664-11 FILM 0.27µF 5%	250V
C8093 1-107-648-91 ELECT 100µF 20% 200V C8143 1-109-889-11 ELECT 1µF 20%	50V
C8094 1-126-947-11 ELECT 47µF 20% 35V C8153 1-126-960-11 ELECT 1µF 20%	50V
C8095 1-162-970-11 CERAMIC CHIP 0.01μF 10% 25V C8156 1-107-636-11 ELECT 10μF 20%	160V
C8096 1-136-684-51 FILM 0.0022µF 2.00% 100V C8158 1-107-826-11 CERAMIC CHIP 0.1µF 10%	16V
C8097 1-162-131-11 CERAMIC 220pF 10% 2KV C8159 1-106-383-00 MYLAR 0.047μF 10%	200V
C8098 1-162-131-11 CERAMIC 220pF 10% 2KV C8160 1-127-715-91 CERAMIC CHIP 0.22µF 10%	16V
C8099 1-115-416-11 CERAMIC CHIP 0.001µF 5% 25V C8162 1-162-318-11 CERAMIC 0.001µF 10%	500V
C8100 1-104-665-11 ELECT 100μF 20% 25V C8163 1-126-960-11 ELECT 1μF 20%	50V
C8102 1-162-318-11 CERAMIC 0.001µF 10% 500V <u>CONNECTOR</u>	
C8103 1-126-964-11 FLECT 10uF 20% 50V	
C8104 1-162-965-11 CERAMIC CHIP 0.0015uF 10% 50V	
C8105 1-107-826-11 CERAMIC CHIP 0.1µF 10% 16V * CN8003 1-691-135-11 PIN, CONNECTOR (PC BOARD) 4P	



	REF.NO.	PART NO.	DESCRIPTION	VALUES	3	REF.NO.	PART NO.	DESCRIPTION	VALUES
*	CN8004	1-779-890-11	CONNECTOR, BOARD	TO BOARD	10P	D8032	8-719-302-43	DIODE	EL1Z
*	CN8005	1-779-890-11	CONNECTOR, BOARD			D8033	8-719-028-72	DIODE	RGP02-17EL-6433
*	CN8006	1-779-890-11	CONNECTOR, BOARD			D8036	8-719-110-39	DIODE	RD15ESB1
*	CN8007	1-564-506-11	PLUG, CONNECTOR	, 10 50, 1115	3P	D8037	8-719-028-45	DIODE	D2L20U
*	CN8008	1-564-506-11	PLUG, CONNECTOR		3P	D8038	8-719-302-43	DIODE	EL1Z
	0110000	1-304-300-11	1 LOO, CONNECTOR		OI .	D0030	0-713-302-43	DIODL	LLIL
*	CN8009	1-564-506-11	PLUG, CONNECTOR		3P	D8039	8-719-028-72	DIODE	RGP02-17EL-6433
*	CN8010	1-564-507-11	PLUG, CONNECTOR		4P	D8043	8-719-991-33	DIODE	1SS133T-77
*	CN8011	1-564-507-11	PLUG, CONNECTOR		4P	D8045	8-719-908-03	DIODE	GP08D
*	CN8012	1-564-507-11	PLUG, CONNECTOR		4P	D8046	8-719-991-33	DIODE	1SS133T-77
*	CN8013	1-766-177-11	PIN, CONNECTOR (PC	BOARD)	9P	D8047	8-719-991-33	DIODE	1SS133T-77
			,	,		D8050	8-719-988-61	DIODE	1SS355TE-17
*	CN8015	1-506-371-00	PIN, CONNECTOR		2P				
*	CN8016	1-564-507-11	PLUG, CONNECTOR		4P		FERRITE BEAD		
	CN8018	1-580-689-11	PIN, CONNECTOR (PC	BOARD)	4P				
*	CN8019	1-580-689-11	PIN, CONNECTOR (PC	BOARD)	4P	FB8001	1-469-578-11	FERRITE	1.1µH
*	CN8020	1-580-689-11	PIN, CONNECTOR (PC	BOARD)	4P	FB8002	1-469-578-11	FERRITE	1.1µH
			,	,		FB8005	1-469-869-21	FERRITE	0μH
*	CN8022	1-564-510-11	PLUG, CONNECTOR		7P	FB8006	1-469-869-21	FERRITE	0μH
*	CN8023	1-564-507-11	PLUG, CONNECTOR		4P	FB8014	1-469-869-21	FERRITE	0μΗ
			,						
		DIODE				FB8015	1-469-869-21	FERRITE	0μΗ
						FB8016	1-469-869-21	FERRITE	0μΗ
	D8001	8-719-109-88	DIODE	RD5.6ESE		FB8017	1-469-869-21	FERRITE	0μH
	D8002	8-719-110-53	DIODE	RD20ESB		FB8018	1-469-869-21	FERRITE	0μH
	D8003	8-719-110-56	DIODE	RD22ESB	1	FB8021	1-469-578-11	FERRITE	1.1µH
	D8004	8-719-908-03	DIODE	GP08D					
	D8005	8-719-991-33	DIODE	1SS133T-	77	FB8022	1-469-579-11	FERRITE	0.45µH
						FB8023	1-469-579-11	FERRITE	0.45µH
	D8006	8-719-991-33	DIODE	1SS133T-	77	FB8024	1-469-869-21	FERRITE	0μΗ
	D8008	8-719-991-33	DIODE	1SS133T-	77				
	D8010	8-719-991-33	DIODE	1SS133T-	77		<u>IC</u>		
	D8011	8-719-991-33	DIODE	1SS133T-	77	100004	0.740.040.00	10	OTI/202 FC0
	D8012	8-719-991-33	DIODE	1SS133T-	77	IC8001	8-749-019-08	IC	STK392-560
						IC8002	8-749-019-08	IC	STK392-560
	D8013	8-719-109-84	DIODE	RD5.1ESE	31	IC8003	8-759-593-33	IC	LA78045
	D8014	8-719-109-84	DIODE	RD5.1ESE	31	IC8004	8-759-647-17	IC	UPC2912HF
	D8015	8-719-991-33	DIODE	1SS133T-	77	IC8005	8-759-585-82	IC	BA9759F-E2
	D8016	8-719-991-33	DIODE	1SS133T-	77	100000	0.750.700.07	10	N. IN 10000014
	D8019	8-719-991-33	DIODE	1SS133T-	77	IC8006	8-759-700-07	IC	NJM2903M
						IC8007	8-759-700-07	IC	NJM2903M
	D8020	8-719-991-33	DIODE	1SS133T-	77	IC8008	8-759-585-82	IC	BA9759F-E2
	D8022	8-719-991-33	DIODE	1SS133T-	77	IC8009	8-759-803-42	IC	LA6500-FA
	D8023	8-719-991-33	DIODE	1SS133T-		IC8012	8-759-701-01	IC	NJM2904M
	D8024	8-719-110-39	DIODE	RD15ESB					
	D8025	8-719-991-33	DIODE	1SS133T-			<u>COIL</u>		
						L8001	1-412-533-21	INDUCTOR	47µH
	D8026	8-719-109-88	DIODE	RD5.6ESE	31	L8002	1-412-533-21	INDUCTOR	47μH
	D8027	8-719-028-45	DIODE	D2L20U		L8003	1-412-525-31	INDUCTOR	47μ11 10μH
	D8028	8-719-110-41	DIODE	RD15ESB	2	L8004	1-412-523-51	INDUCTOR	47μH
	D8029	8-719-027-43	DIODE	S2L20µF		L8005	1-412-533-21	INDUCTOR	47μH
	D8030	8-719-027-43	DIODE	S2L20µF			1 714-000-41	HADOUTON	τιμιι
			-						

NOTE: Les composants identifies per un trame et une marque 🛆 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



REF.NO	D. PART NO.	DESCRIPTION	VALUES	REF.NO.	PART NO.	DESCRIPTION	VAL	UES	
L8006	1-412-525-31	INDUCTOR	10µH	Q8015	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
L8007	1-412-533-21	INDUCTOR	47µH	Q8016	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
L8008	1-412-533-21	INDUCTOR	47µH	Q8019	8-729-026-49	TRANSISTOR	2SA103	7AK-T146	-R
L8009	1-412-525-31	INDUCTOR	10μH	Q8020	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
L8010	1-414-187-11	INDUCTOR	47µH	Q8021	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
L8011	1-414-856-11	INDUCTOR	10µH	Q8022	8-729-120-28	TRANSISTOR	2SC162	23-L5L6	
L8012	1-414-187-11	INDUCTOR	47μH	Q8023	8-729-048-47	TRANSISTOR		88(5)-LK	
L8013	1-414-856-11	INDUCTOR	10µH	Q8024	6-550-144-01	TRANSISTOR	2SC577		
L8014	1-414-189-31	INDUCTOR	100µH	Q8027	6-550-153-01	TRANSISTOR		2P20XDTU	
L8015	1-414-189-31	INDUCTOR	100µH	Q8028	8-729-120-28	TRANSISTOR	2SC162		
L8016	1-412-537-31	INDUCTOR	100µH	Q8029	8-729-120-28	TRANSISTOR	2SC162	23-1 51 6	
L8017	1-414-856-11	INDUCTOR	10μH	Q8030	8-729-026-49	TRANSISTOR		37AK-T146	.R
L8018	1-406-667-11	INDUCTOR	220µH	Q8031	8-729-120-28	TRANSISTOR	2SC162		IX.
L8019	1-456-109-11	COIL,HORIZONTAL		Q8035	6-550-153-01	TRANSISTOR		2P20XDTU	
L8020	1-412-525-31	INDUCTOR	10µH	Q8039	8-729-048-47	TRANSISTOR	2SC268		
1.0004	1 40C CEO 11	INDUCTOR	40v.LI	09044	0.700.006.40	TDANICICTOD	201102	7AV T446	n
L8021	1-406-659-11	INDUCTOR INDUCTOR	10µH	Q8041	8-729-026-49	TRANSISTOR		37AK-T146	·ĸ
L8022	1-412-552-11		2.2MH	Q8042	8-729-048-47	TRANSISTOR	2SC268		
L8025	1-414-856-11	INDUCTOR	10µH	Q8043	6-550-144-01	TRANSISTOR	2SC577		D
L8026	1-414-856-11	INDUCTOR	10µH	Q8101	8-729-026-49	TRANSISTOR	25A103	37AK-T146	·K
L8033	1-414-856-11	INDUCTOR	10μΗ		RESISTOR				
	NEON LAMP			R8001	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠ NL800	1 1-517-778-21	LAMP, NEON		R8002	1-216-809-11	METAL CHIP	100	5%	1/10W
		,		R8003	1-216-809-11	METAL CHIP	100	5%	1/10W
	<u>IC LINK</u>			R8004	1-216-809-11	METAL CHIP	100	5%	1/10W
٨				R8005	1-215-875-11	METAL OXIDE	10K	5%	1W
⚠ PS800		IC LINK	3.15A 90V			-			
⚠ PS800		IC LINK	3.15A 90V	R8007	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ PS800		IC LINK	3.15A 90V	R8008	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ PS800		IC LINK	3.15A 90V	R8009	1-216-809-11	METAL CHIP	100	5%	1/10W
⚠ PS800	5 1-533-595-31	IC LINK	3.15A 90V	R8010	1-260-131-11	CARBON	470K	5%	1/2W
⚠ PS800	6 1-533-595-31	IC LINK	3.15A 90V	R8011	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
⚠ PS800		IC LINK	2.5A 90V	D0040	4 040 000 44	METAL OLUB	4 71/	5 0/	4/40\\\
⚠ PS800		IC LINK	0.8A 50V	R8012	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
				R8013	1-218-710-11	METAL CHIP	5.6K		1/10W
	TRANSISTOR			R8014	1-218-709-11	METAL CHIP	5.1K		1/10W
				R8015	1-216-837-11	METAL CHIP	22K	5%	1/10W
Q8001	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R8016	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q8002		TRANSISTOR	2SC4634LS-YB11	D0047	4 040 000 44	METAL CLUD	4 71/	F 0/	4/40\\
Q8003		TRANSISTOR	2SA1037AK-T146-R	R8017	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q8004		TRANSISTOR	2SA1037AK-T146-R	R8018	1-216-821-11	METAL CHIP	1K	5%	1/10W
Q8007	8-729-046-80	TRANSISTOR	2SC4634LS-CB11	R8019	1-218-712-11	METAL CHIP	6.8K		1/10W
				R8020	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
Q8008		TRANSISTOR	2SA1358-Y	R8021	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8009		TRANSISTOR	2SC3421-Y	Bosos	4 040 000 44	METAL CLUB	001/	E 0/	4/40\4/
Q8010		TRANSISTOR	2SC1623-L5L6	R8022	1-216-839-11	METAL CHIP	33K	5%	1/10W
Q8011	8-729-026-49	TRANSISTOR	2SA1037AK-T146-R	R8023	1-216-833-11	METAL CHIP	10K	5%	1/10W
Q8014	8-729-120-28	TRANSISTOR	2SC1623-L5L6	R8024	1-216-833-11	METAL CHIP	10K	5%	1/10W



REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALU	JES	
R8025	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8073	1-214-808-11	METAL	4.7	1%	1/2W
R8026	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8075	1-214-808-11	METAL	4.7	1%	1/2W
R8029	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8076	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R8030	1-215-903-11	METAL OXIDE	68K	5%	2W	R8077	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R8031	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8078	1-214-808-11	METAL	4.7	1%	1/2W
R8032	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8079	1-214-808-11	METAL	4.7	1%	1/2W
R8033	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8080	1-216-353-00	METAL OXIDE	2.2	5%	1W
R8034	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8081	1-214-808-11	METAL	4.7	1%	1/2W
R8035	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R8082	1-214-808-11	METAL	4.7	1%	1/2W
R8036	1-214-800-11	METAL	2.2	1%	1/2W	R8083	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8037	1-215-903-11	METAL OXIDE	68K	5%	2W	R8084	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8038	1-216-809-11	METAL CHIP	100	5%	1/10W	R8085	1-214-808-11	METAL	4.7	1%	1/2W
D0000	4 044 000 44	MATTAL	0.0	40/	4/0\\	Doooc	4 044 000 44	METAL	4.7	40/	4/01/1
R8039	1-214-800-11	METAL	2.2	1%	1/2W	R8086	1-214-808-11	METAL	4.7	1%	1/2W
R8040	1-215-913-11	METAL OXIDE	220	5%	3W	R8087	1-249-385-11	CARBON	2.2	5%	1/4W
R8041	1-218-709-11	METAL CHIP	5.1K		1/10W	R8088	1-249-385-11	CARBON	2.2	5%	1/4W
R8042	1-216-826-11	METAL CHIP	2.7K	5%	1/10W	R8089	1-214-808-11	METAL	4.7	1%	1/2W
R8043	1-218-740-11	METAL CHIP	100K		1/10W	R8090	1-214-808-11	METAL	4.7	1%	1/2W
R8044	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W	R8091	1-214-808-11	METAL	4.7	1%	1/2W
R8045	1-214-808-11	METAL	4.7	1%	1/2W	R8092	1-214-808-11	METAL	4.7	1%	1/2W
R8046	1-214-808-11	METAL	4.7	1%	1/2W	R8093	1-214-808-11	METAL	4.7	1%	1/2W
R8047	1-215-857-71	METAL OXIDE	10	5%	1W	R8094	1-214-808-11	METAL	4.7	1%	1/2W
R8048	1-414-189-31	INDUCTOR	100µH			R8095	1-216-801-11	METAL CHIP	22	5%	1/10W
R8049	1-414-189-31	INDUCTOR	100µH			R8096	1-216-801-11	METAL CHIP	22	5%	1/10W
R8050	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8097	1-214-808-11	METAL	4.7	1%	1/2W
Doord	4 044 000 44	METAL	4.7	40/	4 (0) 4 (Doon	4 044 000 44	METAL	4.7	40/	4 (0) 11
R8051	1-214-808-11	METAL	4.7	1%	1/2W	R8098	1-214-808-11	METAL	4.7	1%	1/2W
R8053	1-214-808-11	METAL	4.7	1%	1/2W	R8099	1-218-740-11	METAL CHIP	100K		1/10W
R8055	1-218-748-11	METAL CHIP	220K	0.50%	1/10W	R8100	1-216-475-11	METAL OXIDE	120	5%	3W
R8056	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8101	1-216-475-11	METAL OXIDE	120	5%	3W
R8057	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8102	1-218-738-11	METAL CHIP	82K		1/10W
R8058	1-216-809-11	METAL CHIP	100	5%	1/10W	R8103	1-216-816-11	METAL CHIP	390	5%	1/10W
R8059	1-214-808-11	METAL	4.7	1%	1/2W	R8104	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R8060	1-214-808-11	METAL	4.7	1%	1/2W	R8105	1-214-808-11	METAL	4.7	1%	1/2W
R8061	1-216-392-11	METAL OXIDE	1.8	5%	3W	R8106	1-214-808-11	METAL	4.7	1%	1/2W
		,001 TO 9,700,000 ONLY)				R8109	1-216-814-11	METAL CHIP	270	5%	1/10W
R8061	1-216-390-11	METAL OXIDE	1.2	5%	3W	R8110	1-247-852-11	CARBON	7.5K	5%	1/4W
		,001 AND UP ONLY)				R8111	1-216-819-11	METAL CHIP	680	5%	1/10W
R8062	1-260-107-11	CARBON	4.7K	5%	1/2W	R8112	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R8063	1-214-808-11	METAL	4.7	1%	1/2W						
						R8113	1-216-475-11	METAL OXIDE	120	5%	3W
R8064	1-214-808-11	METAL	4.7	1%	1/2W	R8114	1-216-475-11	METAL OXIDE	120	5%	3W
R8065	1-260-328-11	CARBON	1K	5%	1/2W	R8115	1-216-475-11	METAL OXIDE	120	5%	3W
R8066	1-214-808-11	METAL	4.7	1%	1/2W	R8116	1-216-475-11	METAL OXIDE	120	5%	3W
R8067	1-214-808-11	METAL	4.7	1%	1/2W	R8117	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8068	1-216-809-11	METAL CHIP	100	5%	1/10W	R8118	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8069	1-214-808-11	METAL	4.7	1%	1/2W	R8119	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8070	1-214-808-11	METAL	4.7	1%	1/2W	R8120	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W
R8071	1-214-000-11	METAL	4.7 22	1%	1/4W	1,0120	1-210-000-11	WIL TAL OF IIF	IUN	J /0	1/ 1000
NOU!	1-210-001-00	NIL IAL	LL	ı /0	^{'/+} '' — 1	26 —					

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REF.NO.	PART NO.	DESCRIPTION	VALUE	S		REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R8121	1-216-809-11	METAL CHIP	100	5%	1/10W	R8170	1-218-716-11	METAL CHIP	10K	0.50%	1/10W
R8123	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8171	1-216-809-11	METAL CHIP	100	5%	1/10W
R8124	1-249-377-11	CARBON	0.47	5%	1/4W	R8172	1-249-405-11	CARBON	100	5%	1/4W
R8125	1-216-816-11	METAL CHIP	390	5%	1/10W	R8173	1-216-845-11	METAL CHIP	100K	5%	1/10W
R8126	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	R8174	1-249-425-11	CARBON	4.7K	5%	1/4W
R8128	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8176	1-218-740-11	METAL CHIP	100K	0.50%	1/10W
R8129	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8178	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8130	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8179	1-414-189-31	INDUCTOR	100µH		
R8131	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8180	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8132	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8181	1-216-841-11	METAL CHIP	47K	5%	1/10W
R8133	1-215-923-00	METAL OXIDE	10K	5%	3W	R8182	1-218-748-11	METAL CHIP	220K	0.50%	1/10W
R8134	1-215-873-00	METAL OXIDE	4.7K	5%	1W	R8183	1-218-748-11	METAL CHIP	220K	0.50%	1/10W
R8135	1-215-923-00	METAL OXIDE	10K	5%	3W	R8189	1-249-377-11	CARBON	0.47	5%	1/4W
R8136	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8190	1-215-431-00	METAL	2.7K	1%	1/4W
R8137	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R8191	1-215-429-00	METAL	2.2K	1%	1/4W
R8138	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8192	1-215-449-00	METAL	15K	1%	1/4W
R8139	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8193	1-215-449-00	METAL	15K	1%	1/4W
R8140	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8194	1-215-449-00	METAL	15K	1%	1/4W
R8141	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8195	1-215-449-00	METAL	15K	1%	1/4W
R8142	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8196	1-249-425-11	CARBON	4.7K	5%	1/4W
R8143	1-218-734-11	METAL CHIP	56K	0.50%	1/10W	R8201	1-249-397-11	CARBON	22	5%	1/4W
R8144	1-216-809-11	METAL CHIP	100	5%	1/10W	R8202	1-260-092-11	CARBON	270	5%	1/2W
R8145	1-218-716-11	METAL CHIP	10K		1/10W	R8205	1-249-377-11	CARBON	0.47	5%	1/4W
R8146	1-218-716-11	METAL CHIP	10K		1/10W	R8206	1-249-377-11	CARBON	0.47	5%	1/4W
R8147	1-218-710-11	METAL CHIP	5.6K		1/10W	R8208	1-260-288-11	CARBON	0.47	5%	1/2W
R8148	1-218-740-11	METAL CHIP	100K	0.50%	1/10W	R8209	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8149	1-249-401-11	CARBON	47	5%	1/4W	R8210	1-216-809-11	METAL CHIP	100	5%	1/10W
R8150	1-218-740-11	METAL CHIP	100K		1/10W	R8211	1-215-906-11	METAL OXIDE	15	5%	3W
R8151	1-218-692-11	METAL CHIP	1K		1/10W	R8212	1-215-907-11	METAL OXIDE	22	5%	3W
R8152	1-218-716-11	METAL CHIP	10K		1/10W	R8213	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8153	1-218-692-11	METAL CHIP	1K	0.50%	1/10W	R8216	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8154	1-218-728-11	METAL CHIP	33K		1/10W	R8217	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8155	1-215-469-00	METAL	100K	1%	1/4W	R8218	1-260-123-11	CARBON	100K	5%	1/2W
R8156	1-215-469-00	METAL	100K	1%	1/4W	R8219	1-249-377-11	CARBON	0.47	5%	1/4W
R8157	1-218-738-11	METAL CHIP	82K		1/10W	R8220	1-216-821-11	METAL CHIP	1K	5%	1/10W
R8159	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8222	1-216-341-11	METAL OXIDE	0.22	5%	1W
R8161	1-216-845-11	METAL CHIP	100K	5% 5%	1/10W	R8223	1-218-748-11	METAL CHIP	220K		1/10W
		METAL CHIP	100K	5% 5%	1/10W	R8224	1-210-740-11	CARBON	220K 220K	0.50% 5%	1/10W
R8163 R8164	1-216-845-11 1-218-734-11	METAL CHIP	56K	5% 0.50%		R8224 R8225	1-260-127-11	CARBON	220K 1	5% 5%	1/2VV 1/2W
R8165	1-249-425-11	CARBON	4.7K	5%	1/4W	R8228	1-260-292-11	CARBON	68	5% 5%	1/2W
D0166	1-218-716-11	METAL CHIP	10K	0 500/	1/10W	R8230	1-218-751-11	METAL CHIP	300K	0 500/	1/10W
R8166 R8167	1-210-710-11	INDUCTOR	100 100µH	0.00%	1/ 1000	R8232	1-216-751-11	METAL OXIDE	0.22	0.50% 5%	1/10W
R8168			100µ⊓ 100	5%	1/10W	R8236			0.22 820K		1/10W
	1-216-809-11	METAL CHIP					1-218-917-11	METAL CHIP			1/10W
R8169	1-216-845-11	METAL CHIP	100K	5%	1/10W	R8237	1-216-857-11	METAL CHIP	1M	5%	1/1000

A component identified by this symbol indicates that it has been carefully factory-selected to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.



REF.NO.	PART NO.	DESCRIPTION	VALU	ES			REF.NO.	PART NO.	DESCRIPTION	VALU	ES	
R8249	1-215-923-00	METAL OXIDE	10K	5%	3W			RESISTOR				
R8250	1-215-923-00	METAL OXIDE	10K	5%	3W							
R8251	1-216-821-11	METAL CHIP	1K	5%	1/10W		R9201	1-218-684-11	METAL CHIP	470		1/10W
R8253	1-216-816-11	METAL CHIP	390	5%	1/10W		R9202	1-218-684-11	METAL CHIP	470		1/10W
R8254	1-216-823-11	METAL CHIP	1.5K	5%	1/10W		R9203	1-218-684-11	METAL CHIP	470		1/10W
							R9204	1-218-684-11	METAL CHIP	470		1/10W
R8255	1-215-873-00	METAL OXIDE	4.7K	5%	1W		R9205	1-218-688-11	METAL CHIP	680	0.50%	1/10W
R8256	1-249-401-11	CARBON	47	5%	1/4W		Bassa		METAL OLUB		0.500/	4/40144
R8258	1-216-833-11	METAL CHIP	10K	5%	1/10W		R9206	1-218-688-11	METAL CHIP	680		1/10W
							R9207	1-218-692-11	METAL CHIP	1K		1/10W
	TRANSFORMER						R9208	1-218-696-11	METAL CHIP	1.5K		1/10W
T0004	4 407 700 44	TO ANOTODIATO FED	DITE (DET	-\			R9209	1-218-700-11	METAL CHIP	2.2K		1/10W
T8001	1-437-708-11	TRANSFORMER, FER		,			R9210	1-218-704-11	METAL CHIP	3.3K		1/10W
T8002	1-437-739-11	TRANSFORMER, FER		•			R9211	1-218-712-11	METAL CHIP	6.8K	0.50%	1/10W
T8003	1-437-401-21	FERRITE TRANSFORM	,	,				CWITCH				
⚠ T8004	1-437-399-21	TRANSFORMER, FER)				<u>SWITCH</u>				
⚠ T8005	1-453-285-51	FBT ASSY, NX-4006//X		۲\			S9201	1-572-198-11	SWITCH, KEYBOARD			
T8006	1-437-739-11	TRANSFORMER, FER	KITE (HDI)			S9202	1-572-198-11	SWITCH, KEYBOARD			
	THEDMISTOR						S9203	1-572-198-11	SWITCH, KEYBOARD			
	<u>THERMISTOR</u>						S9204	1-572-198-11	SWITCH, KEYBOARD			
TH8001	1-800-193-00	THERMISTOR					S9205	1-572-198-11	SWITCH, KEYBOARD			
	VARIABLE RESIS	STOR					S9206	1-572-198-11	SWITCH, KEYBOARD			
^ -							S9207	1-572-198-11	SWITCH, KEYBOARD			
⚠ V R8001	1-225-627-91	RES, VAR, ADJ, CERM		2K			S9208	1-572-198-11	SWITCH, KEYBOARD			
⚠ V R8002	1-225-630-91	RES, VAR, ADJ, CERM	IET	20K			S9209	1-572-198-11	SWITCH, KEYBOARD			
SR							S9210	1-572-198-11	SWITCH, KEYBOARD			
	A-1400-759-A	SR BOARD, MOUN	TED				S9211	1-572-198-11	SWITCH, KEYBOARD			
	A-1400-759-A	SK BOAKD, MOUN	IED				S9212	1-572-198-11	SWITCH, KEYBOARD			
	CONNECTOR					╽╽┠	⊣ 1∣					
* CN9901	1-564-506-11	PLUG, CONNECTOR	3P			*		A-1405-148-A	H1 BOARD, MOUNT	ΓED		
	DIODE								,			
D9902	8-719-069-55	DIODE	ווחספדו	E-175.6B				<u>CAPACITOR</u>				
D9902	0-7 19-009-33	DIODE	UDZSTI	L-175.0D			C9101	1-107-826-11	CERAMIC CHIP	0.1µF	10%	16V
	<u>BATTERY</u>							CONNECTOR				
SB9901	1-756-295-11	BATTERY, SOLAR										
山 つ						*	CN9101 CN9102	1-564-508-11 1-564-506-11	PLUG, CONNECTOR PLUG, CONNECTOR	5P 3P		
							0110102		1 200, OOMNEOTOR	OI .		
*	A-1405-147-A	H2 BOARD, MOUN	TED					<u>DIODE</u>				
	CONNECTOR						D9101 D9102	8-719-053-43 8-719-053-43	DIODE DIODE	SLR-325 SLR-325		
* CNI0204		DILIC CONNECTOR	ED.				D9102	8-719-053-43	DIODE	3LK-323	voisi	
* CN9201 * CN9202	1-564-520-11 1-564-521-11	PLUG, CONNECTOR PLUG, CONNECTOR	5P 6P					<u>IC</u>				
ONSZUZ	1-00 1 -021-11	I LOG, CONNECTOR	UΓ									
							IC9101	8-719-066-43	DIODE	GP1U28	Y	



REF.NO.	PART NO.	DESCRIPTION	VALUE	S			REF.NO.	PART NO.	DESCRIPTION	VALI	JES	
	RESISTOR							RESISTOR				
R9101	1-216-833-11	METAL CHIP	10K	5%	1/10W		R9400	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9102	1-216-809-11	METAL CHIP	100	5%	1/10W		R9401	1-216-853-11	METAL CHIP	470K	5%	1/10W
R9103	1-216-813-11	METAL CHIP	220	5%	1/10W		R9402	1-218-285-11	METAL CHIP	75	5%	1/10W
R9104	1-216-813-11	METAL CHIP	220	5%	1/10W		R9403	1-218-285-11	METAL CHIP	75	5%	1/10W
							R9406	1-216-821-11	METAL CHIP	1K	5%	1/10W
	<u>SWITCH</u>						R9407	1-218-285-11	METAL CHIP	75	5%	1/10W
S9101	1-571-532-21	SWITCH, TACTILE						ACCESSORIES	AND PACKING			
H4						*		4 0 4 4 4 4 0 0 4	DAG PROTECTION	(VD 54)	110540 01	
	l 					1 *		4-041-426-01	BAG, PROTECTION		VS510 OI	,
*	A-1405-149-A	H4 BOARD, MOUNT	TED			_		4-076-420-01	BAG, PROTECTION	(KP-5/V	VS510/65	WS510 ONLY)
	CAPACITOR					*		4-094-654-01	CARTON, INDIVIDUAL	(KP-51V	VS510 OI	NLY)
00100				222/		*		4-094-658-01	CARTON, INDIVIDUAL	(KP-57V	VS510 OI	NLY)
C9400	1-126-964-11	ELECT	10µF	20%	50V	*		4-094-662-01	CARTON, INDIVIDUAL	(KP-65V	VS510 OI	NLY)
C9401	1-126-964-11	ELECT	10µF	20%	50V							
C9402	1-125-891-11	CERAMIC CHIP	0.47µF	10%	10V	*		4-094-653-01	CUSHION, LOWER	,	VS510 OI	•
C9403 C9405	1-163-021-91 1-125-891-11	CERAMIC CHIP	0.01μF 0.47μF	10% 10%	50V 10V	*		4-094-657-01	CUSHION, LOWER	,	VS510 OI	•
C9403	1-120-091-11	CERAMIC CHIP	0.47μΓ	1070	100	*		4-094-661-01	CUSHION, LOWER	,	VS510 OI	•
	CONNECTOR					*		4-094-652-01	CUSHION, UPPER		VS510 OI	,
	CONNECTOR					*		4-094-656-01	CUSHION, UPPER		VS510 OI	
* CN9401	1-564-526-11	PLUG, CONNECTOR	11P			*		4-094-660-01	CUSHION, UPPER	(KP-65V	VS510 OI	NLY)
	DIODE							4-094-605-11	MANUAL, INSTRUCTIO	N		
								4-094-605-21	MANUAL, INSTRUCTIO			
D9400	8-719-110-17	DIODE	RD10ES					4-094-605-31	MANUAL, INSTRUCTIO	N		
D9401	8-719-110-17	DIODE	RD10ES									
D9402	8-719-110-17	DIODE	RD10ES			*		4-042-463-01	SHEET, PROTECTION			
D9403	8-719-110-17	DIODE	RD10ES									
D9404	8-719-110-17	DIODE	RD10ES			*		4-094-659-01	TRAY (KP-57WS510 ON	,		
D9405	8-719-110-17	DIODE	RD10ES	B2		*		4-094-663-01	TRAY (KP-65WS510 ON	ILY)		
	<u>JACK</u>							REMOTE COMM	IANDER .			
J9401	1-770-361-11	TERMINAL BLOCK, S						1-476-864-11	REMOTE COMMANDE	R (RM-Y9	09)	
								4-081-888-01	BATTERY COVER (FOR	R RM-Y90	9)	

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Technical Services
Service Promotion Department

SERVICE MANUAL

RA-6A CHASSIS

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Service_Promotion@am.sony.com.

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